
Instruction Manual

Part 11

Computer Edits for Mortality Data, Including Separate Section for Fetal Deaths Effective 2001

From the CENTERS FOR DISEASE CONTROL AND PREVENTION/ National Center for Health Statistics

Instruction Manual

Part 11

Computer Edits for Mortality Data, Including Separate Section for Fetal Deaths Effective 2001

Vital Statistics

Data Preparation

U.S. DEPARTMENT of HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics
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CONTENTS

<u>Section</u>		<u>Page</u>
I	Introduction	1
	A. Purpose of This Manual	1
	B. Revisions from Previous Manual	2
II	Final Mortality File Computer Edits	4
	A. Demographic Items	5
	B. Medical Items	5
	1. Codes Valid for Both Underlying and Multiple Causes of Death	5
	2. Codes Valid for Multiple Cause Only	5
	3. Created Codes	6
	C. Composite Medical/Demographic Record	6
	1. Age/Cause, Sex/Cause Consistency Edits	6
	2. Infrequent and Rare Cause-of-Death Edits	7
	3. Place-of-Occurrence Edits for Selected External Causes of Death	7
	4. Activity Code Edits for Selected External Causes of Death	7
III	Preliminary Mortality File Computer Edits	7
	A. Demographic Items	9
	B. Medical Items	9
	1. Codes Valid for Both Underlying and Multiple Causes of Death	9
	2. Codes Valid for Multiple Cause Only	9
	3. Created Codes	9

C. Composite Medical/Demographic Record	10
1. Age/Cause, Sex/Cause Consistency Edits	10
2. Infrequent and Rare Cause-of-Death Edits	10
3. Place-of-Occurrence Edits for Selected External Causes of Death	10
4. Activity Code Edits for Selected External Causes of Death	11

IV Tables

A. Demographic Edits and ICD-10 Cause-of-Death Edits for Final Mortality File and Preliminary Mortality File and Resulting Action if a Record Fails the Edit	12
B. Edits for Demographic Items	13
C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification	18
D. ICD-10 Nature of Injury Codes Valid for Multiple Cause Classification Only (From Chapter XIX, Injury, Poisoning and Certain Other Consequences of External Causes)	26
E. ICD-10 Codes Valid for Multiple Cause Classification Only (From Chapters I-XVIII and XX)	28
F. Created Codes and Their Complementary Valid ICD-10 Codes	29
G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification	30
H. Age/Cause, Sex/Cause Consistency Edits for ICD-10 Codes Valid for Multiple Cause-of-Death Classification Only	44
I. Infrequent and Rare Cause-of-Death Edits for Underlying and Multiple Cause-of-Death Classification	45
J. Place-of-Occurrence Edits for Selected External Causes of Death (ICD-10 W00-Y34, except Y06._, Y07._)	47
K. Activity Code Edits for Selected External Causes of Death (ICD-10 V01-Y34)	48

Section on the Fetal Death File

<u>Section</u>	<u>Page</u>
V Fetal Death File Cause-of-Death Computer Edits	50
A. Medical Items	50
1. Codes Valid for Underlying Causes of Fetal Death	50
2. Created Codes	50
3. Sex/Cause Consistency Edits	50
4. Plurality/Cause Consistency Edits	50
VI Fetal Death File Tables	
L. ICD-10 Codes Valid for Underlying Causes of Fetal Death	51
M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Causes of Fetal Death	57

VITAL STATISTICS COMPUTER EDITS

FOR

MORTALITY DATA, EFFECTIVE 2001

I. INTRODUCTION

A. Purpose of This Manual

This manual presents a comprehensive description of the mainframe computer edits used by the National Center for Health Statistics (NCHS) in processing mortality data beginning with data year **2001**. The edits include both medical edits for the Tenth Revision of the International Statistical Classification of Diseases and Related Health Problems, Corrected and Updated by NCHS (ICD-10) and demographic edits. Edits for **three** different applications are discussed in this manual:

- (1) the final mortality file which consists of death certificates filed for all deaths occurring in the United States in a calendar year. For this file, the data are tabulated and published annually.
- (2) the preliminary mortality file which is based on a continuous receipt of a large sample of death certificates that are processed and tabulated on a semi-annual basis for U.S. deaths occurring in the 12-month periods January-December and July-June. The purpose of the preliminary mortality file is to produce data on an expedited basis compared with the final file.
- (3) **the fetal death file which is based on reports of fetal death received by NCHS from State registration offices. All 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and Guam participate in the fetal-death reporting system. The U.S. Standard Report of Fetal Death issued by the Public Health Service (last revision 1989) served as model to attain uniformity in the contents of documents used to collect fetal mortality information. The fetal death file is separate from the mortality files discussed above.**

It should be noted that the final mortality file essentially consists of the January-December preliminary mortality file plus all additional and adjudicated death records received through nine months after the end of the calendar year.

Edits used for mainframe processing of the final mortality file are likely to be of greatest relevance and interest to the States, while edits used for the preliminary file are used by NCHS on a current flow to produce biannual preliminary mortality statistics.

Both the final and the preliminary mortality files are generated through a series of processing steps including data collection, data entry, and computer processing. Editing of the coded data to assure code validity and consistency among variables is carried out at both the data entry and mainframe computer processing stages. The data entry edits, performed either manually or interactively on a data entry computer, enable detection and correction of major inconsistencies at the point of data entry. The mainframe edits utilize greater computer capability to provide a more comprehensive edit, yet generally require reject reconciliation for correction of errors. Thus, the data entry edits are composed of a small selective subset of the more comprehensive mainframe edits. This manual contains only the mainframe edits. Data entry edits are specified in Part 2d of this Vital Statistics Instruction Manual series.

The mainframe computer edits are performed at strategic locations (appropriate to their function and application) within the processing flow. They are applied only after the data have passed key entry quality control standards and key entry edit criteria.

B. Revisions from Previous Manual

Changes between this manual and the previous one (effective **1999**) are shown in **bold** print and following are the major changes:

- 1- **The following ICD-10 codes have been deleted from the table of codes valid for both underlying and multiple cause-of-death classification (table C) effective 1999: Q350, Q352, Q354 and Q358.**

- 2- The following changes were made to the table for age / cause and sex / cause consistency edits for ICD-10 codes valid for both underlying and multiple cause-of-death classification (table G):**

- Deleted edits:

E20	Effective 2000
E87	Effective 1999

- Modified edits:

A33 (from age-conditional to age-absolute)	Effective 2000;
C58 (from age-non-applicable to age-conditional)	Effective 2000;
D39 was split into .0, .1, .7, .9 (edit code # 11)	Effective 2000;
D39.2 (edit code # 14)	Effective 2000;
F03 (from edit code # 9 to new edit code # 23)	Effective 2000;
R068 (from age-absolute to age-conditional)	Effective 1999;
R090 (from age-conditional to age-absolute)	Effective 2000;
R73 (from age-absolute to age-conditional)	Effective 1999.

- 3- Queries concerning infrequent and rare cause-of-death edits (table I) will exclude any records with mention of Human immunodeficiency virus infection in combination with any of the listed conditions, effective 1999.**
- 4- Effective 2001, edit procedures for the fetal death file have been added in a separate section including tables L and M.**

Codes and text that has been deleted from tables has been ~~struck out~~ and the text color appears lighter.

II. FINAL MORTALITY FILE COMPUTER EDITS

The final mortality file is used to produce annual detailed tabulations of demographic and geographic data and contains both underlying and multiple cause-of-death data. The demographic and medical data are entered and processed separately. The demographic data are first key entered and sample verified with interactive key entry editing. The resultant demographic record is then established as a master control record in checks of file completeness and subsequent edits of the geographic, demographic, and control variables. On a separate track, the medical data are key entered and sample verified. The mainframe edits are then applied to check code validity for each variable. Finally, the demographic and medical data are merged into one composite record at which point demographic/medical consistency edits are applied. In addition, this stage rechecks medical code validity and lists rare causes for review.

Since NCHS receives the death records on a flow basis, all of the above edits are performed on a continuous basis and records that fail the edits are adjudicated on a continuous basis. At the time the final mortality file is closed (9 months after the end of the data year), all records have been included in the file and adjudicated.

It should be noted that at many points during the processing of the file computer software will reject records for reasons other than failure to meet the edit criteria in this manual. In particular, the MICAR¹, ACME², and TRANSAX³ automatic coding systems reject records for resolution of issues which cannot be handled automatically.

The automated edits are designed to (1) assure code validity for each variable and (2) verify codes or code combinations which are considered either impossible or unlikely occurrences. Additionally, for certain demographic variables, the edits convert codes which are unacceptable for statistical analysis to acceptable codes. In edit failures, the proper code is determined in one of two

¹Acronym for Mortality Medical Indexing, Classification, and Retrieval which is used to initially enter cause-of-death information.

²Acronym for Automated Classification of Medical Entities system which checks the condition codes for validity and automatically assigns the underlying cause of death from the condition codes.

³Acronym for Translation of Axis system which translates the condition codes from an entity axis of classification to a record axis of classification for purposes of general multiple cause tabulation and analysis.

ways. In specific situations, the proper code is imputed or automatically generated without reference to the source certificate. In other situations, the record is rejected and listed for adjudication of the codes with the information in the source document and/or with the State health department.

The kind of action is dependent on the variable category involved in the edit. Edits for unlikely occurrences (conditional edits) are always checked with the source document. When a data record is edit rejected, the corrected record is once again processed through the edits to verify passage of the edit (conditional edits are deactivated in the second pass). The edits and their resulting actions are summarized in table A.

A detailed description of all mainframe computer edits is provided below.

A. Demographic Items

Table B provides, for each demographic variable, the edit criteria (if any) which are applied to each category of the variable. Fail edits are identified in terms of whether the results are imputed or rejected for adjudication. Records having fail edits on the “place of death” (occurrence) and “residence of decedent” items are rejected and are listed for reference to the source document to establish the proper code assignment.

B. Medical Items

Valid cause-of-death codes in ICD-10 are categorized in terms of their validity for underlying and multiple cause-of-death classification.

1. Codes Valid for Both Underlying and Multiple Causes of Death

Table C lists the codes valid for both underlying and multiple cause classification.

2. Codes Valid for Multiple Cause Only

Tables D and E list the ICD-10 codes which are valid for multiple cause coding but not for underlying cause coding. Table D contains the Nature of Injury codes from Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00-T98).

Table E lists other codes in ICD-10 Chapters I-XVIII and XX which are valid for multiple cause coding only. Included in this group are Postprocedural endocrine, metabolic, nervous system, eye, adnexa, ear, mastoid process, circulatory system, respiratory, digestive system, musculoskeletal, and genitourinary system disorders, not elsewhere classified. Also included in this group are Complications following abortion and ectopic and molar

pregnancy. The rules for underlying cause-of-death classification prefer other codes over those listed in this table. (For more detail, see Part 2a of this Vital Statistics Instruction Manual series.)

3. Created Codes

Table F contains a list of special five-digit codes (plus R97) and their complementary valid ICD-10 codes. The created codes are used at the stage medical conditions are coded. They have been created to facilitate automated identification of causal and modification relationships between certain medical conditions when they are processed by the ACME and TRANSAX computer systems. After they have served this purpose, they are converted to their complementary valid ICD-10 codes and do not appear on the final master death tape or in NCHS tabulations of causes of death. Further explanation of the use of these codes may be found in Parts 2b and 2c of this Vital Statistics Instruction Manual series.

C. Composite Medical/Demographic Record

After the demographic and medical data are merged, the following edits are performed:

1. Age/Cause, Sex/Cause Consistency Edits

The purpose of this computer edit is to maintain consistency between a reported underlying or multiple cause of death and the age and/or sex of the decedent. Table G lists the consistency edits applicable to codes given earlier in Table C (codes valid for both underlying and multiple causes of death). Table H lists consistency edits applicable to codes given earlier in Tables D and E (codes valid for multiple cause coding only). The limitations embody the concept that certain combinations of cause of death with age or sex are either impossible (absolute limitation) or that the combinations are highly improbable (conditional limitation). The causes of death shown in these lists include age and/or sex absolute or conditional limitations explicit in ICD-10. Additional conditional limitation edits are applied to ICD-10 categories where occurrence of the category with particular age/sex combinations is considered to be highly improbable or where experience has shown that a particular cause is especially prone to coding error.

Detailed instructions for processing edit rejects are given in Part 2d of this Vital Statistics Instruction Manual series. In general, the source document is examined to determine if the medical and demographic data are accurately coded based on reporting. Where inaccurate, the codes are corrected. When coded data agree with reported information, no change is made if the edit is conditional in nature. If the edit is absolute, the age (or

sex) is arbitrarily retained as coded, and the cause(s) are changed to the minimum necessary to pass the edit.

2. Infrequent and Rare Cause-of-Death Edits

Table I contains a list of infrequent and rare causes of death in the United States. These causes of death occur rarely and/or present threats to public health in the United States. As a result, each case should be verified to make sure there was no error in certification. When NCHS requests confirmation of a rare cause of death, the Vital Statistics Cooperative Program (VSCP) project director should work with staff to verify that the cause-of-death coding is correct and obtain corroboration from the State Health Officer before signing the confirmation letter. A notation of confirmation should also be recorded on the copy of the certificate sent to NCHS. In the absence of this notation, the NCHS coder will code the disease as stated; the VSCP project officer will be contacted at the time of reconciliation of rejected data records by control cycle to confirm the accuracy of the certification.

3. Place-of-Occurrence Edits for Selected External Causes of Death

Table J lists the place-of-occurrence edits for selected external causes of death (ICD-10 W00-Y34, except Y06._ and Y07._) that may be either an underlying or a multiple cause of death. The table includes valid place-of-occurrence codes that denote the place where the external cause of death occurred. For a listing of place- of-occurrence codes and their definitions see ICD-10, Vol. 1, in the beginning of Chapter XX. The place-of-occurrence codes assigned are based on reported entries on State death certificate items equivalent to the 1989 revision of the U.S. Standard Certificate of Death item "30e. Place of injury".

4. Activity Code Edits for Selected External Causes of Death

Activity codes are new in ICD-10 and are supplementary codes that are applicable for selected external causes of death (ICD-10 V01-Y34) that may be either an underlying or a multiple cause of death. Table K shows the codes that denote the activity of the injured person at the time the death occurred. For a listing of activity codes and their definitions see ICD-10, Vol. 1, in the beginning of Chapter XX. The activity codes assigned are based on reported entries on State death certificate items equivalent to the 1989 revision of the U.S. Standard Certificate of Death item "30d. Describe how injury occurred". NCHS will evaluate the quality of the 1999 data and will determine if more detailed edits are warranted.

III. PRELIMINARY MORTALITY FILE COMPUTER EDITS

The preliminary mortality file has less detailed tabulations of demographic and geographic data than the final mortality file and is restricted to tabulations of only the underlying cause of death. It includes death records received by NCHS about four months after the end of each of the two 12-month periods (January-December and July-June). The preliminary mortality file consists of a substantial sample (usually, at least 75 percent for each State) of the death certificates included in the final mortality file.

The demographic and medical data are entered and processed separately. The demographic data are first key entered and sample verified with interactive key entry editing. The resultant demographic record is then established as a master control record in checks of file completeness and in subsequent edits of the geographic, demographic, and control variables. On a separate track, the medical data are key entered and sample verified. The mainframe edits are then applied to check code validity for each variable. Finally, the demographic and medical data are merged into one composite record at which point demographic/medical consistency edits are applied.

Since NCHS receives the death records on a flow basis, all of the above edits are performed on a continuous basis and records that fail the edits are adjudicated on a continuous basis. However, at the cut point, the point at which records are no longer accepted for a preliminary mortality file (about four months after the January-December or July-June period), some records that failed the edits have not been adjudicated. Due to the need for timely release of the preliminary mortality data, there is not enough time to adjudicate all errors in the preliminary mortality file. Therefore, some of the edit procedures for the preliminary mortality file differ from those for the final mortality file. For example, for the demographic/medical consistency edits, records that fail the "absolute" edits are deleted from the preliminary mortality file. Records that fail the "conditional" edits are not reviewed, but are retained in the preliminary mortality file.

The automated edits are designed to (1) assure code validity for each variable and (2) verify codes or code combinations which are considered either impossible or unlikely occurrences. Additionally, for certain demographic variables, the edits convert codes which are unacceptable for statistical analysis to acceptable codes. In edit failures, the proper code is determined in one of two ways. In specific situations, the proper code is imputed or automatically generated without reference to the source certificate. In other situations, the record is rejected and listed for adjudication of the codes with the information on the source document and/or with the State health department.

All the demographic items that fail the demographic edits (except place of death) and "residence of decedent" (county/city) are imputed and all records that fail the

“absolute” demographic/medical edits are deleted from the file. The edits and their resulting actions are summarized in table A.

A detailed description of all mainframe computer edits is provided below.

A. Demographic Items

Table B provides, for each demographic variable, the edit criteria (if any) which are applied to each category of the variable. Records having fail edits for demographic items other than “place of death” (occurrence) and “residence of decedent” (county/city) are imputed. At the cut point, if the edit for “place of death” (State of occurrence) fails, the record is deleted. The edits for “place of death” (county of occurrence) and “residence of decedent” (county/city) are not used. The edit for “residence of decedent” (State of residence), however, is used.

B. Medical items

Valid cause-of-death codes in ICD-10 are categorized in terms of their validity for underlying and multiple cause-of-death classification.

1. Codes Valid for Both Underlying and Multiple Causes of Death

Table C lists the codes valid for both underlying and multiple cause classification. At the cut point, if a cause-of-death code is invalid, the record is deleted from the preliminary mortality file.

2. Codes Valid for Multiple Cause Only

Tables D and E list the ICD-10 codes which are valid for multiple cause coding but not for underlying cause coding. Table D contains the Nature of Injury codes from Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00-T98).

Table E lists other codes in ICD-10 Chapters I-XVIII and XX which are valid for multiple cause coding only. Included in this group are Postprocedural endocrine, metabolic, nervous system, eye, adnexa, ear, mastoid process, circulatory system, respiratory, digestive system, musculoskeletal, and genitourinary system disorders, not elsewhere classified. Also included in this group are Complications following abortion and ectopic and molar pregnancy. The rules for underlying cause-of-death classification prefer other codes over those listed in this table. (For more detail, see Part 2a of this Vital Statistics Instruction Manual series.) At the cut point, if a cause-of-death code is invalid, the record is deleted from the preliminary mortality file.

3. Created Codes

Table F contains a list of special five-digit codes (plus R97) and their complementary valid ICD-10 codes. The created codes are used at the stage medical conditions are coded. They have been created to facilitate automated identification of causal and modification relationships between certain medical conditions when they are processed by the ACME and TRANSAX computer systems. After they have served this purpose, they are converted to their complementary valid ICD-10 codes and do not appear on the final master death tape or in NCHS tabulations of causes of death. Further explanation of the use of these codes may be found in Parts 2b and 2c of this Vital Statistics Instruction Manual series.

C. Composite Medical/Demographic Record

After the demographic and medical data are merged, the following edits are performed:

1. Age/Cause, Sex/Cause Consistency Edits

The purpose of this computer edit is to maintain consistency between a reported underlying or multiple cause of death and the age and/or sex of the decedent. Table G lists the consistency edits applicable to codes given earlier in Table C (codes valid for both underlying and multiple causes of death). Table H lists consistency edits applicable to codes given earlier in Tables D and E (codes valid for multiple cause coding only). The limitations embody the concept that certain combinations of cause of death with age or sex are either impossible (absolute limitation) or that the combinations are highly improbable (conditional limitation). The causes of death shown in these lists include age and/or sex absolute or conditional limitations explicit in ICD-10. Additional conditional limitation edits are applied to ICD-10 categories where occurrence of the category with particular age/sex combinations is considered to be highly improbable or where experience has shown that a particular cause is especially prone to coding error. At the cut point, the conditional limitation edits, shown in tables G and H, are not used for the preliminary mortality file.

Detailed instructions for processing edit rejects are given in Part 2d of this Vital Statistics Instruction Manual series. In general, the source document is examined to determine if the medical and demographic data are accurately coded based on reporting. At the cut point, records that fail the "absolute" edits shown in tables G and H are deleted from the preliminary mortality file. The "conditional" edits shown in tables G and H are not used.

2. Infrequent and Rare Cause-of-Death Edits

The infrequent and rare cause-of-death edits shown in table I are not used for the preliminary mortality file.

3. Place-of-Occurrence Edits for Selected External Causes of Death

Table J lists the place-of-occurrence edits for selected external causes of death (ICD-10 W00-Y34, except Y06._ and Y07._) that may be either an underlying or a multiple cause of death. The table includes valid place-of-occurrence codes that denote the place where the external cause of death occurred. For a listing of place-of-occurrence codes and their definitions see ICD-10, Vol. 1, in the beginning of Chapter XX. The place-of-occurrence codes assigned are based on reported entries on State death certificate items equivalent to the 1989 revision of the U.S. Standard Certificate of Death item "30e. Place of injury".

4. Activity Code Edits for Selected External Causes of Death

Activity codes are new in ICD-10 and are supplementary codes that are applicable for selected external causes of death (ICD-10 V01-Y34) that may be either an underlying or a multiple cause of death. Table K shows the codes that denote the activity of the injured person at the time the death occurred. For a listing of activity codes and their definitions see ICD-10, Vol. 1, in the beginning of Chapter XX. The activity codes assigned are based on reported entries on State death certificate items equivalent to the 1989 revision of the U.S. Standard Certificate of Death item "30d. Describe how injury occurred". NCHS will evaluate the quality of the 1999 data and will determine if more detailed edits are warranted.

Table A. Demographic Edits and ICD-10 Cause-of-Death Edits for the Final Mortality File and the Preliminary Mortality File and Resulting Action if a Record Fails the Edit (impute; reject and adjudicate; or delete the record)

Edit table	Edit	Final file		Preliminary file		
		Impute	Reject	Impute	Delete	
	Demographic					
B	All items, except Place of death and Residence of decedent	X		X		
B	Place of death (State)		X		X	
B	Place of death (county)		X	Not used		
B	Residence of decedent (State)		X	X		
B	Residence of decedent (county/city)		X	Not used		
	Cause-of-death					
C	ICD-10 codes valid for underlying and multiple causes		X		X	
D	ICD-10 nature-of-injury codes valid for multiple causes only		X		X	
E	ICD-10 codes valid for multiple causes only		X		X	
G	Age/cause and sex/cause consistency edits for ICD-10 codes valid for both underlying and multiple causes (absolute)		X		X	
G	Age/cause and sex/cause consistency edits for ICD-10 codes valid for both underlying and multiple causes (conditional)		X	Not used		
H	Age/cause and sex/cause consistency edits for ICD-10 codes valid for multiple causes only (absolute)		X		X	
H	Age/cause and sex/cause consistency edits for ICD-10 codes valid for multiple causes only (conditional)		X	Not used		
I	Infrequent and rare cause-of-death edits for underlying and multiple cause-of-death		X	Not used		
J	Place-of-occurrence edits for selected external causes of death	X		X		
K	Activity code edits for selected external causes of death	X		X		

NOTE: Table F does not show edits and, therefore, is not shown in this table.

Table B. Edits for Demographic Items

<u>Variable</u>	<u>Edit Criterion</u>	<u>Fail Edit Corrected By</u>
Sex	Code must be valid and other than "not stated".	Imputation: If last digit of certificate number is odd number, sex is assigned female code. If last digit of certificate number is even number, sex is assigned male code.
Date of Death:		
Month	Code must be valid and other than "not stated".	Imputation: Date of death from last preceding record containing a valid date of death is substituted.
Day	Code must be valid (month is valid also).	Imputation: Assign to "not classifiable" code.
Age of Decedent:		
Number of Units	Both codes must be valid.	Imputation: Assign to "not classifiable" code (999).
Units	Combination of unit and number of units must be acceptable.	(See page 14.)

Table B. Edits for Demographic Items - Continued

IF UNIT OF AGE IS:	AND NO. OF UNITS IS:	THEN FINAL EDITED AGE IS:
9 (not classifiable)	Anything -----)
Codes 0, 2-6	00 -----)
Code 1 (100 or more years)	Greater than 35 -----)
Code 2 (months)	Greater than 23 -----)
Code 3 (weeks)	Greater than 47 -----) 999 (not
Code 4 (days)	Greater than 60 -----) classifiable)
Code 5 (hours)	Greater than 72 -----)
Code 6 (minutes)	Greater than 95 -----)
Code 0 (years - less than 100)	01-99	001-099
Code 1 (100 or more years)	00-35	100-135
Code 2 (months)	01-11	201-211
Code 2 (months)	12-23	001 (1 year)
Code 3 (weeks)	01-03	301-303
Code 3 (weeks)	04-08	201 (1 month)
Code 3 (weeks)	09-12	202 (2 months)
" " "	13-17	203 (3 months)
" " "	18-21	204 (4 months)
" " "	22-25	205 (5 months)
" " "	26-29	206 (6 months)
" " "	30-34	207 (7 months)
" " "	35-38	208 (8 months)
" " "	39-42	209 (9 months)
" " "	43-47	210 (10 months)
Code 4 (days)	01-27	401-427
" " "	28-59	201 (1 month)
" " "	60	202 (2 months)
Code 5 (hours)	01-23	501-523
Code 5 (hours)	24-72	401-403 (days)
Code 6 (minutes)	01-59	601-659
Code 6 (minutes)	60-95	501 (1 hour)
Codes 2-6 (months-minutes)	99 (no. of units not classifiable)	2-6, 99*

*In the age reencoding process, unknown number of months is allocated to 1 month; unknown number of weeks is allocated to 1 week; unknown number of days is allocated to 1 day; unknown number of hours is allocated to under 1 hour; unknown number of minutes is allocated to under 1 hour.

Table B. Edits for Demographic Items - Continued

<u>Variable</u>	<u>Edit Criterion</u>	<u>Fail Edit Corrected By</u>
Date of Birth: Month	Code must be valid.	Imputation: Assign to "not classifiable" code.
Day	Code must be valid.	Imputation: Assign to "not classifiable" code.
Year	Code must be valid. 1866-2001 are valid for 2001 . For subsequent data years, add 1 to the lower and upper limits of the range (e.g. for 2002 , the range is 1867-2002).	Imputation: Assign to "not classifiable" code.
State of Birth of Decedent	Code must be valid.	Imputation: Convert invalid code to "not classifiable" code.
Place of Death: State/County	State/county code combination must be valid.	For Final: Reject for correction. For Preliminary: State-Delete record. County-Edit not used.
Type of Place of Death	Code must be valid.	Imputation: Convert invalid code to "not classifiable" code.
Marital Status of Decedent	Code must be valid.	Imputation: Convert invalid code to "not classifiable" code.
	If age of decedent is less than 12 years, marital status must be "single."	Imputation: Convert to "single" code.

Table B. Edits for Demographic Items - Continued

<u>Variable</u>	<u>Edit Criterion</u>	<u>Fail Edit Corrected By</u>
Occupation of Decedent	Code must be valid.	Imputation: Convert invalid code to "not classifiable" code.
Type of Industry	Age under 14 years. Code must be valid.	Imputation: Code to 917 (child). Imputation: Convert invalid code to "not classifiable" code.
Residence of Decedent	Age under 14 years. State, County/City code combination must be valid.	Imputation: Code to 961 (own home). For Final: Reject for correction. For Preliminary: State-Impute to place of death (State). County/City-Edit not used.
Hispanic Origin of Decedent	Code must be valid. "Not classifiable" (code 9) and "Other and unknown Hispanic" (code 5).	Imputation: Convert invalid code to "not classifiable" code. Imputation: Use "State of birth" and if birthplace is Mexico (code 57), then code Mexican (code 1); if birthplace is Puerto Rico (code 52) then code to Puerto Rican (code 2); and if birthplace is Cuba (code 56), then code Cuban (code 3). Otherwise, keep the original code 5 or 9.

Table B. Edits for Demographic Items - Continued

<u>Variable</u>	<u>Edit Criterion</u>	<u>Fail Edit Corrected By</u>																																		
Race of Decedent	Code must be valid. If code is: "Not stated" (code 9) or "Other entries" (code 0) or "Multi-racial" (code F).	Imputation: Code record to the race of preceding record. Imputation: Code record to the race of preceding record. NOTE: Race imputation flags are shown separately for "Not stated", "Other entries" and "Multi-racial".																																		
Education of Decedent	Code must be valid. Combination of education and age must be acceptable.	Imputation: Assign to "not classifiable" code. Imputation: If education is greater than the maximum shown for given age, assign education to "not classifiable" code.																																		
	<table> <thead> <tr> <th>Age</th> <th>Maximum Education</th> </tr> </thead> <tbody> <tr><td>Under 5 years</td><td>00</td></tr> <tr><td>5 years</td><td>01</td></tr> <tr><td>6 years</td><td>02</td></tr> <tr><td>7 years</td><td>03</td></tr> <tr><td>8 years</td><td>04</td></tr> <tr><td>9 years</td><td>05</td></tr> <tr><td>10 years</td><td>06</td></tr> <tr><td>11 years</td><td>07</td></tr> <tr><td>12 years</td><td>08</td></tr> <tr><td>13 years</td><td>09</td></tr> <tr><td>14 years</td><td>10</td></tr> <tr><td>15 years</td><td>11</td></tr> <tr><td>16 years</td><td>12</td></tr> <tr><td>17 years</td><td>13</td></tr> <tr><td>18 years</td><td>14</td></tr> <tr><td>19 years</td><td>15</td></tr> </tbody> </table>	Age	Maximum Education	Under 5 years	00	5 years	01	6 years	02	7 years	03	8 years	04	9 years	05	10 years	06	11 years	07	12 years	08	13 years	09	14 years	10	15 years	11	16 years	12	17 years	13	18 years	14	19 years	15	
Age	Maximum Education																																			
Under 5 years	00																																			
5 years	01																																			
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15 years	11																																			
16 years	12																																			
17 years	13																																			
18 years	14																																			
19 years	15																																			
Injury at work	Code must be valid.	Imputation: Convert invalid code to "not classifiable" code.																																		

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification

A000	A184	A34	A513	A753	A968	B205	B375	B508	B72	C003	C164	C381	C499	C695
A001	A185	A35	A514	A759	A969	B206	B376	B509	B73	C004	C165	C382	C500	C696
A009	A186	A360	A515	A770	A980	B207	B377	B510	B740	C005	C166	C383	C501	C698
A010	A187	A361	A519	A771	A981	B208	B378	B518	B741	C006	C168	C384	C502	C699
A011	A188	A362	A520	A772	A982	B209	B379	B519	B742	C008	C169	C388	C503	C700
A012	A190	A363	A521	A773	A983	B210	B380	B520	B743	C009	C170	C390	C504	C701
A013	A191	A368	A522	A778	A984	B211	B381	B528	B744	C01	C171	C398	C505	C709
A014	A192	A369	A523	A779	A985	B212	B382	B529	B748	C020	C172	C399	C506	C710
A020	A198	A370	A527	A78	A988	B213	B383	B530	B749	C021	C173	C400	C508	C711
A021	A199	A371	A528	A790	A99	B217	B384	B531	B75	C022	C178	C401	C509	C712
A022	A200	A378	A529	A791	B000	B218	B387	B538	B760	C023	C179	C402	C510	C713
A028	A201	A379	A530	A798	B001	B219	B388	B54	B761	C024	C180	C403	C511	C714
A029	A202	A38	A539	A799	B002	B220	B389	B550	B768	C028	C181	C408	C512	C715
A030	A203	A390	A540	A800	B003	B221	B390	B551	B769	C029	C182	C409	C518	C716
A031	A207	A391	A541	A801	B004	B222	B391	B552	B770	C030	C183	C410	C519	C717
A032	A208	A392	A542	A802	B005	B227	B392	B559	B778	C031	C184	C411	C52	C718
A033	A209	A393	A543	A803	B007	B230	B393	B560	B779	C039	C185	C412	C530	C719
A038	A210	A394	A544	A804	B008	B231	B394	B561	B780	C040	C186	C413	C531	C720
A039	A211	A395	A545	A809	B009	B232	B395	B569	B781	C041	C187	C414	C538	C721
A040	A212	A398	A546	A810	B010	B238	B399	B570	B787	C048	C188	C418	C539	C722
A041	A213	A399	A548	A811	B011	B24	B400	B571	B789	C049	C189	C419	C540	C723
A042	A217	A400	A549	A812	B012	B250	B401	B572	B79	C050	C19	C430	C541	C724
A043	A218	A401	A55	A818	B018	B251	B402	B573	B80	C051	C20	C431	C542	C725
A044	A219	A402	A560	A819	B019	B252	B403	B574	B810	C052	C210	C432	C543	C728
A045	A220	A403	A561	A820	B020	B258	B407	B575	B811	C058	C211	C433	C548	C729
A046	A221	A408	A562	A821	B021	B259	B408	B580	B812	C059	C212	C434	C549	C73
A047	A222	A409	A563	A829	B022	B260	B409	B581	B813	C060	C218	C435	C55	C740
A048	A227	A410	A564	A830	B023	B261	B410	B582	B814	C061	C220	C436	C56	C741
A049	A228	A411	A568	A831	B027	B262	B417	B583	B818	C062	C221	C437	C570	C749
A050	A229	A412	A57	A832	B028	B263	B418	B588	B820	C068	C222	C438	C571	C750
A051	A230	A413	A58	A833	B029	B268	B419	B589	B829	C069	C223	C439	C572	C751
A052	A231	A414	A590	A834	B03	B269	B420	B59	B830	C07	C224	C440	C573	C752
A053	A232	A415	A598	A835	B04	B270	B421	B600	B831	C080	C227	C441	C574	C753
A054	A233	A418	A599	A836	B050	B271	B427	B601	B832	C081	C229	C442	C577	C754
A058	A238	A419	A600	A838	B051	B278	B428	B602	B833	C088	C23	C443	C578	C755
A059	A239	A420	A601	A839	B052	B279	B429	B608	B834	C089	C240	C444	C579	C758
A060	A240	A421	A609	A840	B053	B300	B430	B64	B838	C090	C241	C445	C58	C759
A061	A241	A422	A630	A841	B054	B301	B431	B650	B839	C091	C248	C446	C600	C760
A062	A242	A427	A638	A848	B058	B302	B432	B651	B850	C098	C249	C447	C601	C761
A063	A243	A428	A64	A849	B059	B303	B438	B652	B851	C099	C250	C448	C602	C762
A064	A244	A429	A65	A850	B060	B308	B439	B653	B852	C100	C251	C449	C608	C763
A065	A250	A430	A660	A851	B068	B309	B440	B658	B853	C101	C252	C450	C609	C764
A066	A251	A431	A661	A852	B069	B330	B441	B659	B854	C102	C253	C451	C61	C765
A067	A259	A438	A662	A858	B07	B331	B442	B660	B86	C103	C254	C452	C620	C767
A068	A260	A439	A663	A86	B080	B332	B447	B661	B870	C104	C257	C457	C621	C768
A069	A267	A440	A664	A870	B081	B333	B448	B662	B871	C108	C258	C459	C629	C770
A070	A268	A441	A665	A871	B082	B338	B449	B663	B872	C109	C259	C460	C630	C771
A071	A269	A448	A666	A872	B083	B340	B450	B664	B873	C110	C260	C461	C631	C772
A072	A270	A449	A667	A878	B084	B341	B451	B665	B874	C111	C261	C462	C632	C773
A073	A278	A46	A668	A879	B085	B342	B452	B668	B878	C112	C268	C463	C637	C774
A078	A279	A480	A669	A880	B088	B343	B453	B669	B879	C113	C269	C467	C638	C775
A079	A280	A481	A670	A881	B09	B344	B457	B670	B880	C118	C300	C468	C639	C778
A080	A281	A482	A671	A888	B150	B348	B458	B671	B881	C119	C301	C469	C64	C779
A081	A282	A483	A672	A89	B159	B349	B459	B672	B882	C12	C310	C470	C65	C780
A082	A288	A484	A673	A90	B160	B350	B460	B673	B883	C130	C311	C471	C66	C781
A083	A289	A488	A679	A91	B161	B351	B461	B674	B888	C131	C312	C472	C670	C782
A084	A300	A490	A680	A920	B162	B352	B462	B675	B889	C132	C313	C473	C671	C783
A085	A301	A491	A681	A921	B169	B353	B463	B676	B89	C138	C318	C474	C672	C784
A09	A302	A492	A689	A922	B170	B354	B464	B677	B900	C139	C319	C475	C673	C785
A162	A303	A493	A690	A923	B171	B355	B465	B678	B901	C140	C320	C476	C674	C786
A163	A304	A498	A691	A924	B172	B356	B468	B679	B902	C142	C321	C478	C675	C787
A164	A305	A499	A692	A928	B178	B358	B469	B680	B908	C148	C322	C479	C676	C788
A165	A308	A500	A698	A929	B180	B359	B470	B681	B909	C150	C323	C480	C677	C790
A167	A309	A501	A699	A930	B181	B360	B471	B689	B91	C151	C328	C481	C678	C791
A168	A310	A502	A70	A931	B182	B361	B479	B690	B92	C152	C329	C482	C679	C792
A169	A311	A503	A710	A932	B188	B362	B480	B691	B940	C153	C33	C488	C680	C793
A170	A318	A504	A711	A938	B189	B363	B481	B698	B941	C154	C340	C490	C681	C794
A171	A319	A505	A719	A94	B190	B368	B482	B699	B942	C155	C341	C491	C688	C795
A178	A320	A506	A740	A950	B199	B369	B483	B700	B948	C158	C342	C492	C689	C796
A179	A321	A507	A748	A951	B200	B370	B484	B701	B949	C159	C343	C493	C690	C797
A180	A327	A509	A749	A959	B201	B371	B487	B710	B99	C160	C348	C494	C691	C798
A181	A328	A510	A750	A960	B202	B372	B488	B711	C000	C161	C349	C495	C692	C80
A182	A329	A511	A751	A961	B203	B373	B49	B718	C001	C162	C37	C496	C693	C810
A183	A33	A512	A752	A962	B204	B374	B500	B719	C002	C163	C380	C498	C694	C811

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

C812																				
C813																				
C817																				
C819																				
C820																				
C821																				
C822																				
C827																				
C829																				
C830																				
C831																				
C832																				
C833																				
C834																				
C835																				
C836	C961	D090	D170	D289	D380	D480	D596	D750	E001	E117	E232	E41	E660	E780						
C837	C962	D091	D171	D290	D381	D481	D598	D751	E002	E118	E233	E42	E661	E781						
C838	C963	D092	D172	D291	D382	D482	D599	D752	E009	E119	E236	E43	E662	E782						
C839	C967	D093	D173	D292	D383	D483	D600	D758	E010	E120	E237	E440	E668	E783						
C840	C969	D097	D174	D293	D384	D484	D601	D759	E011	E121	E240	E441	E669	E784						
C841	C97	D099	D175	D294	D385	D485	D608	D760	E012	E122	E241	E45	E670	E785						
C842	D000	D100	D176	D297	D386	D486	D609	D761	E018	E123	E242	E46	E671	E786						
C843	D001	D101	D177	D299	D390	D487	D610	D762	E02	E124	E243	E500	E672	E788						
C844	D002	D102	D179	D300	D391	D489	D611	D763	E030	E125	E244	E501	E673	E789						
C845	D010	D103	D180	D301	D392	D500	D612	D800	E031	E126	E248	E502	E678	E790						
C850	D011	D104	D181	D302	D397	D501	D613	D801	E032	E127	E249	E503	E68	E791						
C851	D012	D105	D190	D303	D399	D508	D618	D802	E033	E128	E250	E504	E700	E798						
C857	D013	D106	D191	D304	D400	D509	D619	D803	E034	E129	E258	E505	E701	E799						
C859	D014	D107	D197	D307	D401	D510	D62	D804	E035	E130	E259	E506	E702	E800						
C880	D015	D109	D199	D309	D407	D511	D640	D805	E038	E131	E260	E507	E703	E801						
C881	D017	D110	D200	D310	D409	D512	D641	D806	E039	E132	E261	E508	E708	E802						
C882	D019	D117	D201	D311	D410	D513	D642	D807	E040	E133	E268	E509	E709	E803						
C883	D020	D119	D210	D312	D411	D518	D643	D808	E041	E134	E269	E511	E710	E804						
C887	D021	D120	D211	D313	D412	D519	D644	D809	E042	E135	E270	E512	E711	E805						
C889	D022	D121	D212	D314	D413	D520	D648	D810	E048	E136	E271	E518	E712	E806						
C900	D023	D122	D213	D315	D414	D521	D649	D811	E049	E137	E272	E519	E713	E807						
C901	D024	D123	D214	D316	D417	D528	D65	D812	E050	E138	E273	E52	E720	E830						
C902	D030	D124	D215	D319	D419	D529	D66	D813	E051	E139	E274	E530	E721	E831						
C910	D031	D125	D216	D320	D420	D530	D67	D814	E052	E140	E275	E531	E722	E832						
C911	D032	D126	D219	D321	D421	D531	D680	D815	E053	E141	E278	E538	E723	E833						
C912	D033	D127	D220	D329	D429	D532	D681	D816	E054	E142	E279	E539	E724	E834						
C913	D034	D128	D221	D330	D430	D538	D682	D817	E055	E143	E280	E54	E725	E835						
C914	D035	D129	D222	D331	D431	D539	D683	D818	E058	E144	E281	E550	E728	E838						
C915	D036	D130	D223	D332	D432	D550	D684	D819	E059	E145	E282	E559	E729	E839						
C917	D037	D131	D224	D333	D433	D551	D688	D820	E060	E146	E283	E560	E730	E840						
C919	D038	D132	D225	D334	D434	D552	D689	D821	E061	E147	E288	E561	E731	E841						
C920	D039	D133	D226	D337	D437	D553	D690	D822	E062	E148	E289	E568	E738	E848						
C921	D040	D134	D227	D339	D439	D558	D691	D823	E063	E149	E290	E569	E739	E849						
C922	D041	D135	D229	D34	D440	D559	D692	D824	E064	E15	E291	E58	E740	E850						
C923	D042	D136	D230	D350	D441	D560	D693	D828	E065	E160	E298	E59	E741	E851						
C924	D043	D137	D231	D351	D442	D561	D694	D829	E069	E161	E299	E60	E742	E852						
C925	D044	D139	D232	D352	D443	D562	D695	D830	E070	E162	E300	E610	E743	E853						
C927	D045	D140	D233	D353	D444	D563	D696	D831	E071	E163	E301	E611	E744	E854						
C929	D046	D141	D234	D354	D445	D564	D698	D832	E078	E168	E308	E612	E748	E858						
C930	D047	D142	D235	D355	D446	D565	D699	D838	E079	E169	E309	E613	E749	E859						
C931	D048	D143	D236	D356	D447	D569	D70	D839	E100	E200	E310	E614	E750	E86						
C932	D049	D144	D237	D357	D448	D570	D71	D840	E101	E201	E311	E615	E751	E870						
C937	D050	D150	D239	D358	D449	D571	D720	D841	E102	E208	E318	E616	E752	E871						
C939	D051	D151	D24	D359	D45	D572	D721	D848	E103	E209	E319	E617	E753	E872						
C940	D057	D152	D250	D360	D460	D573	D728	D849	E104	E210	E320	E618	E754	E873						
C941	D059	D157	D251	D361	D461	D578	D729	D860	E105	E211	E321	E619	E755	E874						
C942	D060	D159	D252	D367	D462	D580	D730	D861	E106	E212	E328	E630	E756	E875						
C943	D061	D160	D259	D369	D463	D581	D731	D862	E107	E213	E329	E631	E760	E876						
C944	D067	D161	D260	D370	D464	D582	D732	D863	E108	E214	E340	E638	E761	E877						
C945	D069	D162	D261	D371	D467	D588	D733	D868	E109	E215	E341	E639	E762	E878						
C947	D070	D163	D267	D372	D469	D589	D734	D869	E110	E220	E342	E640	E763	E880						
C950	D071	D164	D269	D373	D470	D590	D735	D890	E111	E221	E343	E641	E768	E881						
C951	D072	D165	D27	D374	D471	D591	D738	D891	E112	E222	E344	E642	E769	E882						
C952	D073	D166	D280	D375	D472	D592	D739	D892	E113	E228	E345	E643	E770	E888						
C957	D074	D167	D281	D376	D473	D593	D740	D898	E114	E229	E348	E648	E771	E889						
C959	D075	D168	D282	D377	D477	D594	D748	D899	E115	E230	E349	E649	E778	F010						
C960	D076	D169	D287	D379	D479	D595	D749	E000	E116	E231	E40	E65	E779	F011						

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

F012	F148	F252	F452	F656	F983	G310	G527	G810	H050	H271	H494	H681	I020	I301
F013	F149	F258	F453	F658	F984	G311	G528	G811	H051	H278	H498	H690	I029	I308
F018	F150	F259	F454	F659	F985	G312	G529	G819	H052	H279	H499	H698	I050	I309
F019	F151	F28	F458	F660	F986	G318	G540	G820	H053	H300	H500	H699	I051	I310
F03	F152	F29	F459	F661	F988	G319	G541	G821	H054	H301	H501	H700	I052	I311
F04	F153	F300	F480	F662	F989	G35	G542	G822	H055	H302	H502	H701	I058	I312
F050	F154	F301	F481	F668	F99	G360	G543	G823	H058	H308	H503	H702	I059	I313
F051	F155	F302	F488	F669	G000	G361	G544	G824	H059	H309	H504	H708	I060	I318
F058	F156	F308	F489	F680	G001	G368	G545	G825	H100	H310	H505	H709	I061	I319
F059	F157	F309	F500	F681	G002	G369	G546	G830	H101	H311	H506	H71	I062	I330
F060	F158	F310	F501	F688	G003	G370	G547	G831	H102	H312	H508	H720	I068	I339
F061	F159	F311	F502	F69	G008	G371	G548	G832	H103	H313	H509	H721	I069	I340
F062	F160	F312	F503	F70	G009	G372	G549	G833	H104	H314	H510	H722	I070	I341
F063	F161	F313	F504	F71	G030	G373	G560	G834	H105	H318	H511	H728	I071	I342
F064	F162	F314	F505	F72	G031	G374	G561	G838	H108	H319	H512	H729	I072	I348
F065	F163	F315	F508	F73	G032	G375	G562	G839	H109	H330	H518	H730	I078	I349
F066	F164	F316	F509	F78	G038	G378	G563	G900	H110	H331	H519	H731	I079	I350
F067	F165	F317	F510	F79	G039	G379	G564	G901	H111	H332	H520	H738	I080	I351
F068	F166	F318	F511	F800	G040	G400	G568	G902	H112	H333	H521	H739	I081	I352
F069	F167	F319	F512	F801	G041	G401	G569	G903	H113	H334	H522	H740	I082	I358
F070	F168	F320	F513	F802	G042	G402	G570	G908	H114	H335	H523	H741	I083	I359
F071	F169	F321	F514	F803	G048	G403	G571	G909	H118	H340	H524	H742	I088	I360
F072	F170	F322	F515	F808	G049	G404	G572	G910	H119	H341	H525	H743	I089	I361
F078	F171	F323	F518	F809	G060	G405	G573	G911	H150	H342	H526	H744	I090	I362
F079	F172	F328	F519	F810	G061	G406	G574	G912	H151	H348	H527	H748	I091	I368
F09	F173	F329	F520	F811	G062	G407	G575	G913	H158	H349	H530	H749	I092	I369
F100	F174	F330	F521	F812	G08	G408	G576	G918	H159	H350	H531	H800	I098	I370
F101	F175	F331	F522	F813	G09	G409	G578	G919	H160	H351	H532	H801	I099	I371
F102	F176	F332	F523	F818	G10	G410	G579	G92	H161	H352	H533	H802	I10	I372
F103	F177	F333	F524	F819	G110	G411	G580	G930	H162	H353	H534	H808	I110	I378
F104	F178	F334	F525	F82	G111	G412	G587	G931	H163	H354	H535	H809	I119	I379
F105	F179	F338	F526	F83	G112	G418	G588	G932	H164	H355	H536	H810	I120	I38
F106	F180	F339	F527	F840	G113	G419	G589	G933	H168	H356	H538	H811	I129	I400
F107	F181	F340	F528	F841	G114	G430	G600	G934	H169	H357	H539	H812	I130	I401
F108	F182	F341	F529	F842	G118	G431	G601	G935	H170	H358	H540	H813	I131	I408
F109	F183	F348	F530	F843	G119	G432	G602	G936	H171	H359	H541	H814	I132	I409
F110	F184	F349	F531	F844	G120	G433	G603	G937	H178	H400	H542	H818	I139	I420
F111	F185	F380	F538	F845	G121	G438	G608	G938	H179	H401	H543	H819	I200	I421
F112	F186	F381	F539	F848	G122	G439	G609	G939	H180	H402	H544	H830	I201	I422
F113	F187	F388	F54	F849	G128	G440	G610	G950	H181	H403	H545	H831	I208	I423
F114	F188	F39	F55	F88	G129	G441	G611	G951	H182	H404	H546	H832	I209	I424
F115	F189	F400	F59	F89	G20	G442	G618	G952	H183	H405	H547	H833	I210	I425
F116	F190	F401	F600	F900	G210	G443	G619	G958	H184	H406	H55	H838	I211	I426
F117	F191	F402	F601	F901	G211	G444	G620	G959	H185	H408	H570	H839	I212	I427
F118	F192	F408	F602	F908	G212	G448	G621	G960	H186	H409	H571	H900	I213	I428
F119	F193	F409	F603	F909	G213	G450	G622	G961	H187	H430	H578	H901	I214	I429
F120	F194	F410	F604	F910	G218	G451	G628	G968	H188	H431	H579	H902	I219	I440
F121	F195	F411	F605	F911	G219	G452	G629	G969	H189	H432	H600	H903	I220	I441
F122	F196	F412	F606	F912	G230	G453	G64	G98	H200	H433	H601	H904	I221	I442
F123	F197	F413	F607	F913	G231	G454	G700	H000	H201	H438	H602	H905	I228	I443
F124	F198	F418	F608	F918	G232	G458	G701	H001	H202	H439	H603	H906	I229	I444
F125	F199	F419	F609	F919	G238	G459	G702	H010	H208	H440	H604	H907	I241	I445
F126	F200	F420	F61	F920	G239	G470	G708	H011	H209	H441	H605	H908	I248	I446
F127	F201	F421	F620	F928	G240	G471	G709	H018	H210	H442	H608	H910	I249	I447
F128	F202	F422	F621	F929	G241	G472	G710	H019	H211	H443	H609	H911	I250	I450
F129	F203	F428	F628	F930	G242	G473	G711	H020	H212	H444	H610	H912	I251	I451
F130	F204	F429	F629	F931	G243	G474	G712	H021	H213	H445	H611	H913	I252	I452
F131	F205	F430	F630	F932	G244	G478	G713	H022	H214	H446	H612	H918	I253	I453
F132	F206	F431	F631	F933	G245	G479	G718	H023	H215	H447	H613	H919	I254	I454
F133	F208	F432	F632	F938	G248	G500	G719	H024	H218	H448	H618	H920	I255	I455
F134	F209	F438	F633	F939	G249	G501	G720	H025	H219	H449	H619	H921	I256	I456
F135	F21	F439	F638	F940	G250	G508	G721	H026	H250	H46	H650	H922	I258	I458
F136	F220	F440	F639	F941	G251	G509	G722	H027	H251	H470	H651	H930	I259	I459
F137	F228	F441	F640	F942	G252	G510	G723	H028	H252	H471	H652	H931	I260	I460
F138	F229	F442	F641	F948	G253	G511	G724	H029	H258	H472	H653	H932	I269	I461
F139	F230	F443	F642	F949	G254	G512	G728	H040	H259	H473	H654	H933	I270	I469
F140	F231	F444	F648	F950	G255	G513	G729	H041	H260	H474	H659	H938	I271	I470
F141	F232	F445	F649	F951	G256	G514	G800	H042	H261	H475	H660	H939	I278	I471
F142	F233	F446	F650	F952	G258	G518	G801	H043	H262	H476	H661	I00	I279	I472
F143	F238	F447	F651	F958	G259	G519	G802	H044	H263	H477	H662	I010	I280	I479
F144	F239	F448	F652	F959	G300	G520	G803	H045	H264	H490	H663	I011	I281	I48
F145	F24	F449	F653	F980	G301	G521	G804	H046	H268	H491	H664	I012	I288	I490
F146	F250	F450	F654	F981	G308	G522	G808	H048	H269	H492	H669	I018	I289	I491
F147	F251	F451	F655	F982	G309	G523	G809	H049	H270	H493	H680	I019	I300	I492

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

I493	I713	I871	J204	J459	J969	K088	K271	K469	K638	K830	L131	L414	L631	L82
I494	I714	I872	J205	J46	J980	K089	K272	K500	K639	K831	L138	L415	L632	L83
I495	I715	I878	J206	J47	J981	K090	K273	K501	K650	K832	L139	L418	L638	L84
I498	I716	I879	J207	J60	J982	K091	K274	K508	K658	K833	L200	L419	L639	L850
I499	I718	I880	J208	J61	J983	K092	K275	K509	K659	K834	L208	L42	L640	L851
I500	I719	I881	J209	J620	J984	K098	K276	K510	K660	K835	L209	L430	L648	L852
I501	I720	I888	J210	J628	J985	K099	K277	K511	K661	K838	L210	L431	L649	L853
I509	I721	I889	J218	J630	J986	K100	K279	K512	K668	K839	L211	L432	L650	L858
I510	I722	I890	J219	J631	J988	K101	K280	K513	K669	K85	L218	L433	L651	L859
I511	I723	I891	J22	J632	J989	K102	K281	K514	K700	K860	L219	L438	L652	L870
I512	I724	I898	J300	J633	K000	K103	K282	K515	K701	K861	L22	L439	L658	L871
I513	I728	I899	J301	J634	K001	K108	K283	K518	K702	K862	L230	L440	L659	L872
I514	I729	I950	J302	J635	K002	K109	K284	K519	K703	K863	L231	L441	L660	L878
I515	I730	I951	J303	J638	K003	K110	K285	K520	K704	K868	L232	L442	L661	L879
I516	I731	I952	J304	J64	K004	K111	K286	K521	K709	K869	L233	L443	L662	L88
I517	I738	I958	J310	J65	K005	K112	K287	K522	K710	K900	L234	L444	L663	L89
I518	I739	I959	J311	J660	K006	K113	K289	K528	K711	K901	L235	L448	L664	L900
I519	I740	I99	J312	J661	K007	K114	K290	K529	K712	K902	L236	L449	L668	L901
I600	I741	J00	J320	J662	K008	K115	K291	K550	K713	K903	L237	L500	L669	L902
I601	I742	J010	J321	J668	K009	K116	K292	K551	K714	K904	L238	L501	L670	L903
I602	I743	J011	J322	J670	K010	K117	K293	K552	K715	K908	L239	L502	L671	L904
I603	I744	J012	J323	J671	K011	K118	K294	K558	K716	K909	L240	L503	L678	L905
I604	I745	J013	J324	J672	K020	K119	K295	K559	K717	K920	L241	L504	L679	L906
I605	I748	J014	J328	J673	K021	K120	K296	K560	K718	K921	L242	L505	L680	L908
I606	I749	J018	J329	J674	K022	K121	K297	K561	K719	K922	L243	L506	L681	L909
I607	I770	J019	J330	J675	K023	K122	K298	K562	K720	K928	L244	L508	L682	L910
I608	I771	J020	J331	J676	K024	K130	K299	K563	K721	K929	L245	L509	L683	L918
I609	I772	J028	J338	J677	K028	K131	K30	K564	K729	L00	L246	L510	L688	L919
I610	I773	J029	J339	J678	K029	K132	K310	K565	K730	L010	L247	L511	L689	L920
I611	I774	J030	J340	J679	K030	K133	K311	K566	K731	L011	L248	L512	L700	L921
I612	I775	J038	J341	J680	K031	K134	K312	K567	K732	L020	L249	L518	L701	L922
I613	I776	J039	J342	J681	K032	K135	K313	K570	K738	L021	L250	L519	L702	L923
I614	I778	J040	J343	J682	K033	K136	K314	K571	K739	L022	L251	L52	L703	L928
I615	I779	J041	J348	J683	K034	K137	K315	K572	K740	L023	L252	L530	L704	L929
I616	I780	J042	J350	J684	K035	K140	K316	K573	K741	L024	L253	L531	L705	L930
I618	I781	J050	J351	J688	K036	K141	K318	K574	K742	L028	L254	L532	L708	L931
I619	I788	J051	J352	J689	K037	K142	K319	K575	K743	L029	L255	L533	L709	L932
I620	I789	J060	J353	J690	K038	K143	K350	K578	K744	L030	L258	L538	L710	L940
I621	I800	J068	J358	J691	K039	K144	K351	K579	K745	L031	L259	L539	L711	L941
I629	I801	J069	J359	J698	K040	K145	K359	K580	K746	L032	L26	L550	L718	L942
I630	I802	J100	J36	J700	K041	K146	K36	K589	K750	L033	L270	L551	L719	L943
I631	I803	J101	J370	J701	K042	K148	K37	K590	K751	L038	L271	L552	L720	L944
I632	I808	J108	J371	J702	K043	K149	K380	K591	K752	L039	L272	L558	L721	L945
I633	I809	J110	J380	J703	K044	K20	K381	K592	K753	L040	L278	L559	L722	L946
I634	I81	J111	J381	J704	K045	K210	K382	K593	K758	L041	L279	L560	L728	L948
I635	I820	J118	J382	J708	K046	K219	K383	K594	K759	L042	L280	L561	L729	L949
I636	I821	J120	J383	J709	K047	K220	K388	K598	K760	L043	L281	L562	L730	L950
I638	I822	J121	J384	J80	K048	K221	K389	K599	K761	L048	L282	L563	L731	L951
I639	I823	J122	J385	J81	K049	K222	K400	K600	K762	L049	L290	L564	L732	L958
I64	I828	J128	J386	J82	K050	K223	K401	K601	K763	L050	L291	L568	L738	L959
I670	I829	J129	J387	J840	K051	K224	K402	K602	K764	L059	L292	L569	L739	L97
I671	I830	J13	J390	J841	K052	K225	K403	K603	K765	L080	L293	L570	L740	L980
I672	I831	J14	J391	J848	K053	K226	K404	K604	K766	L081	L298	L571	L741	L981
I673	I832	J150	J392	J849	K054	K228	K409	K605	K767	L088	L299	L572	L742	L982
I674	I839	J151	J393	J850	K055	K229	K410	K610	K768	L089	L300	L573	L743	L983
I675	I840	J152	J398	J851	K056	K250	K411	K611	K769	L100	L301	L574	L744	L984
I676	I841	J153	J399	J852	K060	K251	K412	K612	K780	L101	L302	L575	L748	L985
I677	I842	J154	J40	J853	K061	K252	K413	K613	K801	L102	L303	L578	L749	L986
I678	I843	J155	J410	J860	K062	K253	K414	K614	K802	L103	L304	L579	L750	L988
I679	I844	J156	J411	J869	K068	K254	K419	K620	K803	L104	L305	L580	L751	L989
I690	I845	J157	J418	J90	K069	K255	K420	K621	K804	L105	L308	L581	L752	M000
I691	I846	J158	J42	J920	K070	K256	K421	K622	K805	L108	L309	L589	L758	M001
I692	I847	J159	J430	J929	K071	K257	K429	K623	K808	L109	L400	L590	L759	M002
I693	I848	J160	J431	J930	K072	K259	K430	K624	K810	L110	L401	L598	L80	M008
I694	I849	J168	J432	J931	K073	K260	K431	K625	K811	L111	L402	L599	L810	M009
I698	I850	J180	J438	J938	K074	K261	K439	K626	K818	L118	L403	L600	L811	M020
I700	I859	J181	J439	J939	K075	K262	K440	K627	K819	L119	L404	L601	L812	M021
I701	I860	J182	J440	J940	K076	K263	K441	K628	K820	L120	L405	L602	L813	M022
I702	I861	J188	J441	J941	K078	K264	K449	K629	K821	L121	L408	L603	L814	M023
I708	I862	J189	J448	J942	K079	K265	K450	K630	K822	L122	L409	L604	L815	M028
I709	I863	J200	J449	J948	K080	K266	K451	K631	K823	L123	L410	L605	L816	M029
I710	I864	J201	J450	J949	K081	K267	K458	K632	K824	L128	L411	L608	L817	M050
I711	I868	J202	J451	J960	K082	K269	K460	K633	K828	L129	L412	L609	L818	M051
I712	I870	J203	J458	J961	K083	K270	K461	K634	K829	L130	L413	L630	L819	M052

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

M053	M200	M339	M514	M715	M843	M959	N063	N302	N500	N828	N938	O061	O266	O365
M058	M201	M340	M518	M718	M844	M990	N064	N303	N501	N829	N939	O062	O267	O366
M059	M202	M341	M519	M719	M848	M991	N065	N304	N508	N830	N940	O063	O268	O367
M060	M203	M342	M530	M720	M849	M992	N066	N308	N509	N831	N941	O064	O269	O368
M061	M204	M348	M531	M721	M850	M993	N067	N309	N600	N832	N942	O065	O280	O369
M062	M205	M349	M532	M722	M851	M994	N068	N310	N601	N833	N943	O066	O281	O40
M063	M206	M350	M533	M723	M852	M995	N069	N311	N602	N834	N944	O067	O282	O410
M064	M210	M351	M538	M724	M853	M996	N070	N312	N603	N835	N945	O068	O283	O411
M068	M211	M352	M539	M725	M854	M997	N071	N318	N604	N836	N946	O069	O284	O418
M069	M212	M353	M540	M728	M855	M998	N072	N319	N608	N837	N948	O070	O285	O419
M080	M213	M354	M541	M729	M856	M999	N073	N320	N609	N838	N949	O071	O288	O420
M081	M214	M355	M542	M750	M858	M999	N074	N321	N61	N839	N950	O072	O289	O421
M082	M215	M356	M543	M751	M859	N001	N075	N322	N62	N840	N951	O073	O290	O422
M083	M216	M357	M544	M752	M860	N002	N076	N323	N63	N841	N952	O074	O291	O429
M084	M217	M358	M545	M753	M861	N003	N077	N324	N640	N842	N953	O075	O292	O430
M088	M218	M359	M546	M754	M862	N004	N078	N328	N641	N843	N958	O076	O293	O431
M089	M219	M400	M548	M755	M863	N005	N079	N329	N642	N848	N959	O077	O294	O438
M100	M220	M401	M549	M758	M864	N006	N10	N340	N643	N849	N96	O078	O295	O439
M101	M221	M402	M600	M759	M865	N007	N110	N341	N644	N850	N970	O079	O296	O440
M102	M222	M403	M601	M760	M866	N008	N111	N342	N645	N851	N971	O100	O298	O441
M103	M223	M404	M602	M761	M868	N009	N118	N343	N648	N852	N972	O101	O299	O450
M104	M224	M405	M608	M762	M869	N010	N119	N350	N649	N853	N973	O102	O300	O458
M109	M228	M410	M609	M763	M870	N011	N12	N351	N700	N854	N974	O103	O301	O459
M110	M229	M411	M610	M764	M871	N012	N130	N358	N701	N855	N978	O104	O302	O460
M111	M230	M412	M611	M765	M872	N013	N131	N359	N709	N856	N979	O109	O308	O468
M112	M231	M413	M612	M766	M873	N014	N132	N360	N710	N857	N980	O11	O309	O469
M118	M232	M414	M613	M767	M878	N015	N133	N361	N711	N858	N981	O120	O310	O470
M119	M233	M415	M614	M768	M879	N016	N134	N362	N719	N859	N982	O121	O311	O471
M120	M234	M418	M615	M769	M880	N017	N135	N363	N72	N86	N983	O122	O312	O479
M121	M235	M419	M619	M770	M888	N018	N136	N368	N730	N870	N988	O13	O318	O48
M122	M236	M420	M620	M771	M889	N019	N137	N369	N731	N871	N989	O140	O320	O60
M123	M238	M421	M621	M772	M890	N020	N138	N390	N732	N872	O000	O141	O321	O610
M124	M239	M429	M622	M773	M891	N021	N139	N391	N733	N879	O001	O149	O322	O611
M125	M240	M430	M623	M774	M892	N022	N140	N392	N734	N880	O002	O150	O323	O618
M128	M241	M431	M624	M775	M893	N023	N141	N393	N735	N881	O008	O151	O324	O619
M130	M242	M432	M625	M778	M894	N024	N142	N394	N736	N882	O009	O152	O325	O620
M131	M243	M433	M626	M779	M895	N025	N143	N398	N738	N883	O010	O159	O326	O621
M138	M244	M434	M628	M790	M896	N026	N144	N399	N739	N884	O011	O16	O328	O622
M139	M245	M435	M629	M791	M898	N027	N150	N40	N750	N888	O019	O200	O329	O623
M150	M246	M436	M650	M792	M899	N028	N151	N410	N751	N889	O020	O208	O330	O624
M151	M247	M438	M651	M793	M910	N029	N158	N411	N758	N890	O021	O209	O331	O628
M152	M248	M439	M652	M794	M911	N030	N159	N412	N759	N891	O028	O210	O332	O629
M153	M249	M45	M653	M795	M912	N031	N170	N413	N760	N892	O029	O211	O333	O630
M154	M250	M460	M654	M796	M913	N032	N171	N418	N761	N893	O030	O212	O334	O631
M158	M251	M461	M658	M798	M918	N033	N172	N419	N762	N894	O031	O218	O335	O632
M159	M252	M462	M659	M799	M919	N034	N178	N420	N763	N895	O032	O219	O336	O639
M160	M253	M463	M660	M800	M920	N035	N179	N421	N764	N896	O033	O220	O337	O640
M161	M254	M464	M661	M801	M921	N036	N180	N422	N765	N897	O034	O221	O338	O641
M162	M255	M465	M662	M802	M922	N037	N188	N428	N766	N898	O035	O222	O339	O642
M163	M256	M468	M663	M803	M923	N038	N189	N429	N768	N899	O036	O223	O340	O643
M164	M257	M469	M664	M804	M924	N039	N19	N430	N800	N900	O037	O224	O341	O644
M165	M258	M470	M665	M805	M925	N040	N200	N431	N801	N901	O038	O225	O342	O645
M166	M259	M471	M670	M808	M926	N041	N201	N432	N802	N902	O039	O228	O343	O648
M167	M300	M472	M671	M809	M927	N042	N202	N433	N803	N903	O040	O229	O344	O649
M169	M301	M478	M672	M810	M928	N043	N209	N434	N804	N904	O041	O230	O345	O650
M170	M302	M479	M673	M811	M929	N044	N210	N44	N805	N905	O042	O231	O346	O651
M171	M303	M480	M674	M812	M930	N045	N211	N450	N806	N906	O043	O232	O347	O652
M172	M308	M481	M678	M813	M931	N046	N218	N459	N808	N907	O044	O233	O348	O653
M173	M310	M482	M679	M814	M932	N047	N219	N46	N809	N908	O045	O234	O349	O654
M174	M311	M483	M700	M815	M938	N048	N23	N47	N810	N909	O046	O235	O350	O655
M175	M312	M484	M701	M816	M939	N049	N250	N480	N811	N910	O047	O239	O351	O658
M179	M313	M485	M702	M818	M940	N050	N251	N481	N812	N911	O048	O240	O352	O659
M180	M314	M488	M703	M819	M941	N051	N258	N482	N813	N912	O049	O241	O353	O660
M181	M315	M489	M704	M830	M942	N052	N259	N483	N814	N913	O050	O242	O354	O661
M182	M316	M500	M705	M831	M943	N053	N26	N484	N815	N914	O051	O243	O355	O662
M183	M318	M501	M706	M832	M948	N054	N270	N485	N816	N915	O052	O244	O356	O663
M184	M319	M502	M707	M833	M949	N055	N271	N486	N818	N920	O053	O249	O357	O664
M185	M320	M503	M708	M834	M950	N056	N279	N488	N819	N921	O054	O25	O358	O665
M189	M321	M508	M709	M835	M951	N057	N280	N489	N820	N922	O055	O260	O359	O668
M190	M328	M509	M710	M838	M952	N058	N281	N490	N821	N923	O056	O261	O360	O669
M191	M329	M510	M711	M839	M953	N059	N288	N491	N822	N924	O057	O262	O361	O670
M192	M330	M511	M712	M840	M954	N060	N289	N492	N823	N925	O058	O263	O362	O678
M198	M331	M512	M713	M841	M955	N061	N300	N498	N824	N926	O059	O264	O363	O679
M199	M332	M513	M714	M842	M958	N062	N301	N499	N825	N930	O060	O265	O364	O680

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

O681	O892	P027	P159	P378	P701	P948	Q133	Q243	Q355	Q459	Q626	Q721	Q818	Q934
O682	O893	P028	P200	P379	P702	P949	Q134	Q244	Q356	Q500	Q627	Q722	Q819	Q935
O683	O894	P029	P201	P38	P703	P960	Q135	Q245	Q357	Q501	Q628	Q723	Q820	Q936
O688	O895	P030	P209	P390	P704	P961	Q138	Q246	Q358	Q502	Q630	Q724	Q821	Q937
O689	O896	P031	P210	P391	P708	P962	Q139	Q248	Q359	Q503	Q631	Q725	Q822	Q938
O690	O898	P032	P211	P392	P709	P963	Q140	Q249	Q360	Q504	Q632	Q726	Q823	Q939
O691	O899	P033	P219	P393	P710	P964	Q141	Q250	Q361	Q505	Q633	Q727	Q824	Q950
O692	O900	P034	P220	P394	P711	P965	Q142	Q251	Q369	Q506	Q638	Q728	Q825	Q951
O693	O901	P035	P221	P398	P712	P968	Q143	Q252	Q370	Q510	Q639	Q729	Q828	Q952
O694	O902	P036	P228	P399	P713	P969	Q148	Q253	Q371	Q511	Q640	Q730	Q829	Q953
O695	O903	P038	P229	P500	P714	Q000	Q149	Q254	Q372	Q512	Q641	Q731	Q830	Q954
O698	O904	P039	P230	P501	P718	Q001	Q150	Q255	Q373	Q513	Q642	Q738	Q831	Q955
O699	O905	P040	P231	P502	P719	Q002	Q158	Q256	Q374	Q514	Q643	Q740	Q832	Q958
O700	O908	P041	P232	P503	P720	Q010	Q159	Q257	Q375	Q515	Q644	Q741	Q833	Q959
O701	O909	P042	P233	P504	P721	Q011	Q160	Q258	Q378	Q516	Q645	Q742	Q838	Q960
O702	O910	P043	P234	P505	P722	Q012	Q161	Q259	Q379	Q517	Q646	Q743	Q839	Q961
O703	O911	P044	P235	P508	P728	Q018	Q162	Q260	Q380	Q518	Q647	Q748	Q840	Q962
O709	O912	P045	P236	P509	P729	Q019	Q163	Q261	Q381	Q519	Q648	Q749	Q841	Q963
O710	O920	P046	P238	P510	P740	Q02	Q164	Q262	Q382	Q520	Q649	Q750	Q842	Q964
O711	O921	P048	P239	P518	P741	Q030	Q165	Q263	Q383	Q521	Q650	Q751	Q843	Q968
O712	O922	P049	P240	P519	P742	Q031	Q169	Q264	Q384	Q522	Q651	Q752	Q844	Q969
O713	O923	P050	P241	P520	P743	Q038	Q170	Q265	Q385	Q523	Q652	Q753	Q845	Q970
O714	O924	P051	P242	P521	P744	Q039	Q171	Q266	Q386	Q524	Q653	Q754	Q846	Q971
O715	O925	P052	P243	P522	P745	Q040	Q172	Q268	Q387	Q525	Q654	Q755	Q848	Q972
O716	O926	P059	P248	P523	P748	Q041	Q173	Q269	Q388	Q526	Q655	Q758	Q849	Q973
O717	O927	P070	P249	P524	P749	Q042	Q174	Q270	Q390	Q527	Q656	Q759	Q850	Q978
O718	O95	P071	P250	P525	P760	Q043	Q175	Q271	Q391	Q528	Q658	Q760	Q851	Q979
O719	O96	P072	P251	P526	P761	Q044	Q178	Q272	Q392	Q529	Q659	Q761	Q858	Q980
O720	O97	P073	P252	P528	P762	Q045	Q179	Q273	Q393	Q530	Q660	Q762	Q859	Q981
O721	O980	P080	P253	P529	P768	Q046	Q180	Q274	Q394	Q531	Q661	Q763	Q860	Q982
O722	O981	P081	P258	P53	P769	Q048	Q181	Q278	Q395	Q532	Q662	Q764	Q861	Q983
O723	O982	P082	P260	P540	P77	Q049	Q182	Q279	Q396	Q539	Q663	Q765	Q862	Q984
O730	O983	P100	P261	P541	P780	Q050	Q183	Q280	Q398	Q540	Q664	Q766	Q868	Q985
O731	O984	P101	P268	P542	P781	Q051	Q184	Q281	Q399	Q541	Q665	Q767	Q870	Q986
O740	O985	P102	P269	P543	P782	Q052	Q185	Q282	Q400	Q542	Q666	Q768	Q871	Q987
O741	O986	P103	P270	P544	P783	Q053	Q186	Q283	Q401	Q543	Q667	Q769	Q872	Q988
O742	O988	P104	P271	P545	P788	Q054	Q187	Q288	Q402	Q544	Q668	Q770	Q873	Q989
O743	O989	P108	P278	P546	P789	Q055	Q188	Q289	Q403	Q548	Q669	Q771	Q874	Q990
O744	O990	P109	P279	P548	P800	Q056	Q189	Q300	Q408	Q549	Q670	Q772	Q875	Q991
O745	O991	P110	P280	P549	P808	Q057	Q200	Q301	Q409	Q550	Q671	Q773	Q878	Q992
O746	O992	P111	P281	P550	P809	Q058	Q201	Q302	Q410	Q551	Q672	Q774	Q890	Q998
O747	O993	P112	P282	P551	P810	Q059	Q202	Q303	Q411	Q552	Q673	Q775	Q891	Q999
O748	O994	P113	P283	P558	P818	Q060	Q203	Q308	Q412	Q553	Q674	Q776	Q892	R000
O749	O995	P114	P284	P559	P819	Q061	Q204	Q309	Q418	Q554	Q675	Q777	Q893	R001
O750	O996	P115	P285	P560	P830	Q062	Q205	Q310	Q419	Q555	Q676	Q778	Q894	R002
O751	O997	P119	P288	P569	P831	Q063	Q206	Q311	Q420	Q556	Q677	Q779	Q897	R008
O752	O998	P120	P289	P570	P832	Q064	Q208	Q312	Q421	Q558	Q678	Q780	Q898	R010
O753	P000	P121	P290	P578	P833	Q068	Q209	Q313	Q422	Q559	Q680	Q781	Q899	R011
O754	P001	P122	P291	P579	P834	Q069	Q210	Q314	Q423	Q560	Q681	Q782	Q900	R012
O755	P002	P123	P292	P580	P835	Q070	Q211	Q318	Q428	Q561	Q682	Q783	Q901	R02
O756	P003	P124	P293	P581	P836	Q078	Q212	Q319	Q429	Q562	Q683	Q784	Q902	R030
O757	P004	P128	P294	P582	P838	Q079	Q213	Q320	Q430	Q563	Q684	Q785	Q909	R031
O758	P005	P129	P298	P583	P839	Q100	Q214	Q321	Q431	Q564	Q685	Q786	Q910	R040
O759	P006	P130	P299	P584	P90	Q101	Q218	Q322	Q432	Q600	Q688	Q788	Q911	R041
O85	P007	P131	P350	P585	P910	Q102	Q219	Q323	Q433	Q601	Q690	Q789	Q912	R042
O860	P008	P132	P351	P588	P911	Q103	Q220	Q324	Q434	Q602	Q691	Q790	Q913	R048
O861	P009	P133	P352	P589	P912	Q104	Q221	Q330	Q435	Q603	Q692	Q791	Q914	R049
O862	P010	P134	P353	P590	P913	Q105	Q222	Q331	Q436	Q604	Q699	Q792	Q915	R05
O863	P011	P138	P358	P591	P914	Q106	Q223	Q332	Q437	Q605	Q700	Q793	Q916	R060
O864	P012	P139	P359	P592	P915	Q107	Q224	Q333	Q438	Q606	Q701	Q794	Q917	R061
O868	P013	P140	P360	P593	P918	Q110	Q225	Q334	Q439	Q610	Q702	Q795	Q920	R062
O870	P014	P141	P361	P598	P919	Q111	Q226	Q335	Q440	Q611	Q703	Q796	Q921	R063
O871	P015	P142	P362	P599	P920	Q112	Q228	Q336	Q441	Q612	Q704	Q798	Q922	R064
O872	P016	P143	P363	P60	P921	Q113	Q229	Q338	Q442	Q613	Q709	Q799	Q923	R065
O873	P017	P148	P364	P610	P922	Q120	Q230	Q339	Q443	Q614	Q710	Q800	Q924	R066
O878	P018	P149	P365	P611	P923	Q121	Q231	Q340	Q444	Q615	Q711	Q801	Q925	R067
O879	P019	P150	P368	P612	P924	Q122	Q232	Q341	Q445	Q618	Q712	Q802	Q926	R068
O880	P020	P151	P369	P613	P925	Q123	Q233	Q348	Q446	Q619	Q713	Q803	Q927	R070
O881	P021	P152	P370	P614	P928	Q124	Q234	Q349	Q447	Q620	Q714	Q804	Q928	R071
O882	P022	P153	P371	P615	P929	Q128	Q238	Q350	Q450	Q621	Q715	Q808	Q929	R072
O883	P023	P154	P372	P616	P93	Q129	Q239	Q351	Q451	Q622	Q716	Q809	Q930	R073
O888	P024	P155	P373	P618	P940	Q130	Q240	Q352	Q452	Q623	Q718	Q810	Q931	R074
O890	P025	P156	P374	P619	P941	Q131	Q241	Q353	Q453	Q624	Q719	Q811	Q932	R090
O891	P026	P158	P375	P700	P942	Q132	Q242	Q354	Q458	Q625	Q720	Q812	Q933	R091

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

R092	R398	R619	R842	R99	V171	V273	V360	V442	V524	V606	V689	V771	V850	V931
R093	R400	R620	R843	V010	V172	V274	V361	V443	V525	V607	V690	V772	V851	V932
R098	R401	R628	R844	V011	V173	V275	V362	V444	V526	V609	V691	V773	V852	V933
R100	R402	R629	R845	V019	V174	V279	V363	V445	V527	V610	V692	V774	V853	V934
R101	R410	R630	R846	V020	V175	V280	V364	V446	V529	V611	V693	V775	V854	V935
R102	R411	R631	R847	V021	V179	V281	V365	V447	V530	V612	V694	V776	V855	V936
R103	R412	R632	R848	V029	V180	V282	V366	V449	V531	V613	V695	V777	V856	V937
R104	R413	R633	R849	V030	V181	V283	V367	V450	V532	V614	V696	V779	V857	V938
R11	R418	R634	R850	V031	V182	V284	V369	V451	V533	V615	V698	V780	V859	V939
R12	R42	R635	R851	V039	V183	V285	V370	V452	V534	V616	V699	V781	V860	V940
R13	R430	R638	R852	V040	V184	V289	V371	V453	V535	V617	V700	V782	V861	V941
R14	R431	R64	R853	V041	V185	V290	V372	V454	V536	V619	V701	V783	V862	V942
R15	R432	R680	R854	V049	V189	V291	V373	V455	V537	V620	V702	V784	V863	V943
R160	R438	R681	R855	V050	V190	V292	V374	V456	V539	V621	V703	V785	V864	V944
R161	R440	R682	R856	V051	V191	V293	V375	V457	V540	V622	V704	V786	V865	V945
R162	R441	R683	R857	V059	V192	V294	V376	V459	V541	V623	V705	V787	V866	V946
R17	R442	R688	R858	V060	V193	V295	V377	V460	V542	V624	V706	V789	V867	V947
R18	R443	R700	R859	V061	V194	V296	V379	V461	V543	V625	V707	V790	V869	V948
R190	R448	R701	R860	V069	V195	V298	V380	V462	V544	V626	V709	V791	V870	V949
R191	R450	R71	R861	V090	V196	V299	V381	V463	V545	V627	V710	V792	V871	V950
R192	R451	R72	R862	V091	V198	V300	V382	V464	V546	V629	V711	V793	V872	V951
R193	R452	R730	R863	V092	V199	V301	V383	V465	V547	V630	V712	V794	V873	V952
R194	R453	R739	R864	V093	V200	V302	V384	V466	V549	V631	V713	V795	V874	V953
R195	R454	R740	R865	V099	V201	V303	V385	V467	V550	V632	V714	V796	V875	V954
R196	R455	R748	R866	V100	V202	V304	V386	V469	V551	V633	V715	V798	V876	V958
R198	R456	R749	R867	V101	V203	V305	V387	V470	V552	V634	V716	V799	V877	V959
R200	R457	R75	R868	V102	V204	V306	V389	V471	V553	V635	V717	V800	V878	V960
R201	R458	R760	R869	V103	V205	V307	V390	V472	V554	V636	V719	V801	V879	V961
R202	R460	R761	R870	V104	V209	V309	V391	V473	V555	V637	V720	V802	V880	V962
R203	R461	R762	R871	V105	V210	V310	V392	V474	V556	V639	V721	V803	V881	V968
R208	R462	R768	R872	V109	V211	V311	V393	V475	V557	V640	V722	V804	V882	V969
R21	R463	R769	R873	V110	V212	V312	V394	V476	V559	V641	V723	V805	V883	V970
R220	R464	R770	R874	V111	V213	V313	V395	V477	V560	V642	V724	V806	V884	V971
R221	R465	R771	R875	V112	V214	V314	V396	V479	V561	V643	V725	V807	V885	V972
R222	R466	R772	R876	V113	V215	V315	V398	V480	V562	V644	V726	V808	V886	V973
R223	R467	R778	R877	V114	V219	V316	V399	V481	V563	V645	V727	V809	V887	V978
R224	R468	R779	R878	V115	V220	V317	V400	V482	V564	V646	V729	V810	V888	V98
R227	R470	R780	R879	V119	V221	V319	V401	V483	V565	V647	V730	V811	V889	V99
R229	R471	R781	R890	V120	V222	V320	V402	V484	V566	V649	V731	V812	V890	W00
R230	R478	R782	R891	V121	V223	V321	V403	V485	V567	V650	V732	V813	V891	W01
R231	R480	R783	R892	V122	V224	V322	V404	V486	V569	V651	V733	V814	V892	W02
R232	R481	R784	R893	V123	V225	V323	V405	V487	V570	V652	V734	V815	V893	W03
R233	R482	R785	R894	V124	V229	V324	V406	V489	V571	V653	V735	V816	V899	W04
R234	R488	R786	R895	V125	V230	V325	V407	V490	V572	V654	V736	V817	V900	W05
R238	R490	R787	R896	V129	V231	V326	V409	V491	V573	V655	V737	V818	V901	W06
R250	R491	R788	R897	V130	V232	V327	V410	V492	V574	V656	V739	V819	V902	W07
R251	R492	R789	R898	V131	V233	V329	V411	V493	V575	V657	V740	V820	V903	W08
R252	R498	R790	R899	V132	V234	V330	V412	V494	V576	V659	V741	V821	V904	W09
R253	R500	R798	R900	V133	V235	V331	V413	V495	V577	V660	V742	V822	V905	W10
R258	R501	R799	R908	V134	V239	V332	V414	V496	V579	V661	V743	V823	V906	W11
R260	R509	R80	R91	V135	V240	V333	V415	V498	V580	V662	V744	V824	V907	W12
R261	R51	R81	R92	V139	V241	V334	V416	V499	V581	V663	V745	V825	V908	W13
R262	R520	R820	R930	V140	V242	V335	V417	V500	V582	V664	V746	V826	V909	W14
R268	R521	R821	R931	V141	V243	V336	V419	V501	V583	V665	V747	V827	V910	W15
R270	R522	R822	R932	V142	V244	V337	V420	V502	V584	V666	V749	V828	V911	W16
R278	R529	R823	R933	V143	V245	V339	V421	V503	V585	V667	V750	V829	V912	W17
R290	R53	R824	R934	V144	V249	V340	V422	V504	V586	V669	V751	V830	V913	W18
R291	R54	R825	R935	V145	V250	V341	V423	V505	V587	V670	V752	V831	V914	W19
R292	R55	R826	R936	V149	V251	V342	V424	V506	V589	V671	V753	V832	V915	W20
R293	R560	R827	R937	V150	V252	V343	V425	V507	V590	V672	V754	V833	V916	W21
R294	R568	R828	R938	V151	V253	V344	V426	V509	V591	V673	V755	V834	V917	W22
R298	R570	R829	R940	V152	V254	V345	V427	V510	V592	V674	V756	V835	V918	W23
R300	R571	R830	R941	V153	V255	V346	V429	V511	V593	V675	V757	V836	V919	W24
R301	R578	R831	R942	V154	V259	V347	V430	V512	V594	V676	V759	V837	V920	W25
R309	R579	R832	R943	V155	V260	V349	V431	V513	V595	V677	V760	V839	V921	W26
R31	R58	R833	R944	V159	V261	V350	V432	V514	V596	V679	V761	V840	V922	W27
R32	R590	R834	R945	V160	V262	V351	V433	V515	V598	V680	V762	V841	V923	W28
R33	R591	R835	R946	V161	V263	V352	V434	V516	V599	V681	V763	V842	V924	W29
R34	R599	R836	R947	V162	V264	V353	V435	V517	V600	V682	V764	V843	V925	W30
R35	R600	R837	R948	V163	V265	V354	V436	V519	V601	V683	V765	V844	V926	W31
R36	R601	R838	R949	V164	V266	V355	V437	V520	V602	V684	V766	V845	V927	W32
R390	R609	R839	R960	V165	V270	V356	V439	V521	V603	V685	V767	V846	V928	W33
R391	R610	R840	R961	V169	V271	V357	V440	V522	V604	V686	V769	V847	V929	W34
R392	R611	R841	R98	V170	V272	V359	V441	V523	V605	V687	V770	V849	V930	W35

Table C. ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

W36	X24	Y00	Y412	Y499	Y580	Y713	Y848
W37	X25	Y01	Y413	Y500	Y581	Y718	Y849
W38	X26	Y02	Y414	Y501	Y582	Y720	Y850
W39	X27	Y03	Y415	Y502	Y583	Y721	Y859
W40	X28	Y04	Y418	Y508	Y584	Y722	Y86
W41	X29	Y05	Y419	Y509	Y585	Y723	Y870
W42	X30	Y060	Y420	Y510	Y586	Y728	Y871
W43	X31	Y061	Y421	Y511	Y588	Y730	Y872
W44	X32	Y062	Y422	Y512	Y589	Y731	Y880
W45	X33	Y068	Y423	Y513	Y590	Y732	Y881
W49	X34	Y069	Y424	Y514	Y591	Y733	Y882
W50	X35	Y070	Y425	Y515	Y592	Y738	Y883
W51	X36	Y071	Y426	Y516	Y593	Y740	Y890
W52	X37	Y072	Y427	Y517	Y598	Y741	Y891
W53	X38	Y073	Y428	Y518	Y599	Y742	Y899
W54	X39	Y078	Y429	Y519	Y600	Y743	
W55	X40	Y079	Y430	Y520	Y601	Y748	
W56	X41	Y08	Y431	Y521	Y602	Y750	
W57	X42	Y09	Y432	Y522	Y603	Y751	
W58	X43	Y10	Y433	Y523	Y604	Y752	
W59	X44	Y11	Y434	Y524	Y605	Y753	
W60	X45	Y12	Y435	Y525	Y606	Y758	
W64	X46	Y13	Y436	Y526	Y607	Y760	
W65	X47	Y14	Y438	Y527	Y608	Y761	
W66	X48	Y15	Y439	Y528	Y609	Y762	
W67	X49	Y16	Y440	Y529	Y610	Y763	
W68	X50	Y17	Y441	Y530	Y611	Y768	
W69	X51	Y18	Y442	Y531	Y612	Y770	
W70	X52	Y19	Y443	Y532	Y613	Y771	
W73	X53	Y20	Y444	Y533	Y614	Y772	
W74	X54	Y21	Y445	Y534	Y615	Y773	
W75	X57	Y22	Y446	Y535	Y616	Y778	
W76	X58	Y23	Y447	Y536	Y617	Y780	
W77	X59	Y24	Y449	Y537	Y618	Y781	
W78	X60	Y25	Y450	Y538	Y619	Y782	
W79	X61	Y26	Y451	Y539	Y620	Y783	
W80	X62	Y27	Y452	Y540	Y621	Y788	
W81	X63	Y28	Y453	Y541	Y622	Y790	
W83	X64	Y29	Y454	Y542	Y623	Y791	
W84	X65	Y30	Y455	Y543	Y624	Y792	
W85	X66	Y31	Y458	Y544	Y625	Y793	
W86	X67	Y32	Y459	Y545	Y626	Y798	
W87	X68	Y33	Y460	Y546	Y628	Y800	
W88	X69	Y34	Y461	Y547	Y629	Y801	
W89	X70	Y350	Y462	Y548	Y630	Y802	
W90	X71	Y351	Y463	Y549	Y631	Y803	
W91	X72	Y352	Y464	Y550	Y632	Y808	
W92	X73	Y353	Y465	Y551	Y633	Y810	
W93	X74	Y354	Y466	Y552	Y634	Y811	
W94	X75	Y355	Y467	Y553	Y635	Y812	
W99	X76	Y356	Y468	Y554	Y636	Y813	
X00	X77	Y357	Y470	Y555	Y638	Y818	
X01	X78	Y360	Y471	Y556	Y639	Y820	
X02	X79	Y361	Y472	Y557	Y640	Y821	
X03	X80	Y362	Y473	Y560	Y641	Y822	
X04	X81	Y363	Y474	Y561	Y648	Y823	
X05	X82	Y364	Y475	Y562	Y649	Y828	
X06	X83	Y365	Y478	Y563	Y650	Y830	
X08	X84	Y366	Y479	Y564	Y651	Y831	
X09	X85	Y367	Y480	Y565	Y652	Y832	
X10	X86	Y368	Y481	Y566	Y653	Y833	
X11	X87	Y369	Y482	Y567	Y654	Y834	
X12	X88	Y400	Y483	Y568	Y655	Y835	
X13	X89	Y401	Y484	Y569	Y658	Y836	
X14	X90	Y402	Y485	Y570	Y66	Y838	
X15	X91	Y403	Y490	Y571	Y69	Y839	
X16	X92	Y404	Y491	Y572	Y700	Y840	
X17	X93	Y405	Y492	Y573	Y701	Y841	
X18	X94	Y406	Y493	Y574	Y702	Y842	
X19	X95	Y407	Y494	Y575	Y703	Y843	
X20	X96	Y408	Y495	Y576	Y708	Y844	
X21	X97	Y409	Y496	Y577	Y710	Y845	
X22	X98	Y410	Y497	Y578	Y711	Y846	
X23	X99	Y411	Y498	Y579	Y712	Y847	

Table D. ICD-10 Nature of Injury Codes Valid for Multiple Cause Classification Only (from Chapter XIX, Injury, poisoning and certain other consequences of external causes)

S000	S067	S198	S297	S371	S463	S589	S680	S810	S912	T029
S001	S068	S199	S298	S372	S467	S597	S681	S817	S913	T031
S002	S069	S200	S299	S373	S468	S598	S682	S818	S917	T032
S003	S070	S201	S300	S374	S469	S599	S683	S819	S920	T033
S004	S071	S202	S301	S375	S47	S600	S684	S820	S921	T038
S005	S078	S203	S302	S376	S480	S601	S688	S821	S922	T039
S007	S079	S204	S307	S377	S481	S602	S689	S822	S923	T041
S008	S080	S207	S308	S378	S489	S607	S697	S823	S924	T042
S009	S081	S208	S309	S379	S497	S608	S698	S824	S925	T043
S010	S088	S210	S310	S380	S498	S609	S699	S825	S927	T048
S011	S089	S211	S311	S381	S499	S610	S700	S826	S929	T049
S012	S090	S212	S312	S382	S500	S611	S701	S827	S930	T050
S013	S091	S217	S313	S383	S501	S617	S707	S828	S931	T052
S014	S092	S218	S314	S390	S507	S618	S708	S829	S932	T053
S015	S097	S219	S315	S396	S508	S619	S709	S830	S933	T055
S017	S098	S220	S317	S397	S509	S620	S710	S831	S934	T058
S018	S099	S221	S318	S398	S510	S621	S711	S832	S935	T059
S019	S100	S222	S320	S399	S517	S622	S717	S833	S936	T062
S020	S101	S223	S321	S400	S518	S623	S718	S834	S940	T063
S021	S107	S224	S322	S407	S519	S624	S720	S835	S941	T064
S022	S108	S225	S323	S408	S520	S625	S721	S836	S942	T065
S023	S109	S228	S324	S409	S521	S626	S722	S837	S943	T07
S024	S110	S229	S325	S410	S522	S627	S723	S840	S947	T08
S025	S111	S230	S327	S411	S523	S628	S724	S841	S948	T090
S026	S112	S231	S328	S417	S524	S630	S727	S842	S949	T091
S027	S117	S232	S330	S418	S525	S631	S728	S847	S950	T092
S028	S118	S233	S331	S420	S526	S632	S729	S848	S951	T093
S029	S119	S234	S332	S421	S527	S633	S730	S849	S952	T094
S030	S120	S235	S333	S422	S528	S634	S731	S850	S957	T095
S031	S121	S240	S334	S423	S529	S635	S740	S851	S958	T096
S032	S122	S241	S335	S424	S530	S636	S741	S852	S959	T098
S033	S127	S242	S336	S427	S531	S637	S742	S853	S960	T099
S034	S128	S243	S337	S428	S532	S640	S747	S854	S961	T10
S035	S129	S244	S340	S429	S533	S641	S748	S855	S962	T110
S040	S130	S245	S341	S430	S534	S642	S749	S857	S967	T111
S041	S131	S246	S342	S431	S540	S643	S750	S858	S968	T112
S042	S132	S250	S343	S432	S541	S644	S751	S859	S969	T113
S043	S133	S251	S344	S433	S542	S647	S752	S860	S970	T114
S044	S134	S252	S345	S434	S543	S648	S757	S861	S971	T115
S045	S135	S253	S346	S435	S547	S649	S758	S862	S978	T116
S046	S136	S254	S348	S436	S548	S650	S759	S863	S980	T118
S047	S140	S255	S350	S437	S549	S651	S760	S867	S981	T119
S048	S141	S257	S351	S440	S550	S652	S761	S868	S982	T12
S049	S142	S258	S352	S441	S551	S653	S762	S869	S983	T130
S050	S143	S259	S353	S442	S552	S654	S763	S870	S984	T131
S051	S144	S260	S354	S443	S557	S655	S764	S878	S997	T132
S052	S145	S268	S355	S444	S558	S657	S767	S880	S998	T133
S053	S146	S269	S357	S445	S559	S658	S770	S881	S999	T134
S054	S150	S270	S358	S447	S560	S659	S771	S889	T002	T135
S055	S151	S271	S359	S448	S561	S660	S772	S897	T003	T136
S056	S152	S272	S360	S449	S562	S661	S780	S898	T008	T138
S057	S153	S273	S361	S450	S563	S662	S781	S899	T009	T139
S058	S157	S274	S362	S451	S564	S663	S789	S900	T012	T140
S059	S158	S275	S363	S452	S565	S664	S797	S901	T013	T141
S060	S159	S276	S364	S453	S567	S665	S798	S902	T019	T142
S061	S16	S277	S365	S457	S568	S666	S799	S903	T021	T143
S062	S170	S278	S366	S458	S570	S667	S800	S907	T022	T144
S063	S178	S279	S367	S459	S578	S668	S801	S908	T023	T145
S064	S179	S280	S368	S460	S579	S669	S807	S909	T024	T146
S065	S18	S281	S369	S461	S580	S670	S808	S910	T025	T147
S066	S197	S290	S370	S462	S581	S678	S809	S911	T028	T148

Table D. ICD-10 Nature of Injury Codes Valid for Multiple Cause Classification Only (from Chapter XIX, Injury, poisoning and certain other consequences of external causes) - Continued

T149	T240	T318	T382	T451	T513	T611	T742	T834	T913
T150	T241	T319	T383	T452	T518	T612	T743	T835	T914
T151	T242	T320	T384	T453	T519	T618	T748	T836	T915
T158	T243	T321	T385	T454	T520	T619	T749	T838	T918
T159	T244	T322	T386	T455	T521	T620	T750	T839	T919
T16	T245	T323	T387	T456	T522	T621	T751	T840	T920
T170	T246	T324	T388	T457	T523	T622	T752	T841	T921
T171	T247	T325	T389	T458	T524	T628	T753	T842	T922
T172	T250	T326	T390	T459	T528	T629	T754	T843	T923
T173	T251	T327	T391	T460	T529	T630	T758	T844	T924
T174	T252	T328	T392	T461	T530	T631	T780	T845	T925
T175	T253	T329	T393	T462	T531	T632	T781	T846	T926
T178	T254	T330	T394	T463	T532	T633	T782	T847	T928
T179	T255	T331	T398	T464	T533	T634	T783	T848	T929
T180	T256	T332	T399	T465	T534	T635	T784	T849	T930
T181	T257	T333	T400	T466	T535	T636	T788	T850	T931
T182	T260	T334	T401	T467	T536	T638	T789	T851	T932
T183	T261	T335	T402	T468	T537	T639	T790	T852	T933
T184	T262	T336	T403	T469	T539	T64	T791	T853	T934
T185	T263	T337	T404	T470	T540	T650	T792	T854	T935
T188	T264	T338	T405	T471	T541	T651	T793	T855	T936
T189	T265	T339	T406	T472	T542	T652	T794	T856	T938
T190	T266	T340	T407	T473	T543	T653	T795	T857	T939
T191	T267	T341	T408	T474	T549	T654	T796	T858	T940
T192	T268	T342	T409	T475	T55	T655	T797	T859	T941
T193	T269	T343	T410	T476	T560	T656	T798	T860	T950
T198	T270	T344	T411	T477	T561	T658	T799	T861	T951
T199	T271	T345	T412	T478	T562	T659	T800	T862	T952
T200	T272	T346	T413	T479	T563	T66	T801	T863	T953
T201	T273	T347	T414	T480	T564	T670	T802	T864	T954
T202	T274	T348	T415	T481	T565	T671	T803	T868	T958
T203	T275	T349	T420	T482	T566	T672	T804	T869	T959
T204	T276	T350	T421	T483	T567	T673	T805	T870	T96
T205	T277	T351	T422	T484	T568	T674	T806	T871	T97
T206	T280	T352	T423	T485	T569	T675	T808	T872	T980
T207	T281	T353	T424	T486	T570	T676	T809	T873	T981
T210	T282	T354	T425	T487	T571	T677	T810	T874	T982
T211	T283	T355	T426	T490	T572	T678	T811	T875	T983
T212	T284	T356	T427	T491	T573	T679	T812	T876	
T213	T285	T357	T428	T492	T578	T68	T813	T880	
T214	T286	T360	T430	T493	T579	T690	T814	T881	
T215	T287	T361	T431	T494	T58	T691	T815	T882	
T216	T288	T362	T432	T495	T590	T698	T816	T883	
T217	T289	T363	T433	T496	T591	T699	T817	T884	
T220	T300	T364	T434	T497	T592	T700	T818	T885	
T221	T301	T365	T435	T498	T593	T701	T819	T886	
T222	T302	T366	T436	T499	T594	T702	T820	T887	
T223	T303	T367	T438	T500	T595	T703	T821	T888	
T224	T304	T368	T439	T501	T596	T704	T822	T889	
T225	T305	T369	T440	T502	T597	T708	T823	T900	
T226	T306	T370	T441	T503	T598	T709	T824	T901	
T227	T307	T371	T442	T504	T599	T71	T825	T902	
T230	T310	T372	T443	T505	T600	T730	T826	T903	
T231	T311	T373	T444	T506	T601	T731	T827	T904	
T232	T312	T374	T445	T507	T602	T732	T828	T905	
T233	T313	T375	T446	T508	T603	T733	T829	T908	
T234	T314	T378	T447	T509	T604	T738	T830	T909	
T235	T315	T379	T448	T510	T608	T739	T831	T910	
T236	T316	T380	T449	T511	T609	T740	T832	T911	
T237	T317	T381	T450	T512	T610	T741	T833	T912	

Table E. ICD-10 Codes Valid for Multiple Cause Classification Only (from Chapters I-XVIII and XX)

E890	O082
E891	O083
E892	O084
E893	O085
E894	O086
E895	O087
E896	O088
E898	O089
E899	
G970	
G971	
G972	
G978	
G979	
H590	
H598	
H599	
H950	
H951	
H958	
H959	
I970	
I971	
I972	
I978	
I979	
J950	
J951	
J952	
J953	
J954	
J955	
J958	
J959	
K910	
K911	
K912	
K913	
K914	
K915	
K918	
K919	
M960	
M961	
M962	
M963	
M964	
M965	
M966	
M968	
M969	
N990	
N991	
N992	
N993	
N994	
N995	
N998	
N999	
O080	
O081	

Table F. Created Codes and their Complementary Valid ICD-10 Codes

Created code	Valid ICD-10 code
A1690	A16.9
F0300	F03
I5140	I51.4
I5150	I51.5
I6000	I60.0
I6060	I60.6
I6070	I60.7
I6080	I60.8
I6090	I60.9
J1010	J10.1
J1110	J11.1
J9840	J98.4
K3190	K31.9
K5500	K55.0
K6310	K63.1
K7200	K72.0
K7210	K72.1
K7290	K72.9
Q2780	Q27.8
Q2820	Q28.2
Q2830	Q28.3
R5800	R58
R97	R99

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	code ¹
A32	28 days and over	1	2	03
A33	Under 1 year	1	2	02
A34	Female, 10-54 years	1	1	14
A35	28 days and over	1	2	03
A40	28 days and over	1	2	03
A41	28 days and over	1	2	03
A50.3	2 years and over	0	2	05
A50.4	2 years and over	0	2	05
A50.5	2 years and over	0	2	05
A50.6	2 years and over	0	2	05
A50.7	2 years and over	0	2	05
A52	2 years and over	0	2	05
A53.9	2 years and over	0	2	05
A56	28 days and over	1	2	03
A74	28 days and over	1	2	03
B26.0	Male	2	1	10
B30	28 days and over	1	2	03
B37.0	28 days and over	1	2	03
B37.1	28 days and over	1	2	03
B37.2	28 days and over	1	2	03
B37.3	Female, 28 days and over	1	1	13
B37.4	28 days and over	1	2	03
B37.5	28 days and over	1	2	03
B37.6	28 days and over	1	2	03
B37.7	28 days and over	1	2	03
B37.8	28 days and over	1	2	03
B37.9	28 days and over	1	2	03
B90	1 year and over	1	2	04

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	0 - Conditional			Edit code ¹	
		1 - Absolute				
		<u>2 - Not Applicable</u>				
B91	1 year and over	1	2	04		
B92	1 year and over	1	2	04		
B94	1 year and over	1	2	04		
C51	Female	2	1	11		
C52	Female	2	1	11		
C53	Female	2	1	11		
C54	Female	2	1	11		
C55	Female	2	1	11		
C56	Female	2	1	11		
C57	Female	2	1	11		
C58	Female, 10-54 years	0	1	14		
C60	Male	2	1	10		
C61	Male	2	1	10		
C62	Male	2	1	10		
C63	Male	2	1	10		
C79.6	Female	2	1	11		
D06	Female	2	1	11		
D07.0	Female	2	1	11		
D07.1	Female	2	1	11		
D07.2	Female	2	1	11		
D07.3	Female	2	1	11		
D07.4	Male	2	1	10		
D07.5	Male	2	1	10		
D07.6	Male	2	1	10		
D17.6	Male	2	1	10		
D25	Female	2	1	11		
D26	Female	2	1	11		
D27	Female	2	1	11		

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	0 - Conditional 1 - Absolute <u>2 - Not Applicable</u>			Edit code ¹
		Age	Sex		
D28	Female	2	1	11	
D29	Male	2	1	10	
D39.0	Female	2	1	11	
D39.1	Female	2	1	11	
D39.2	Female, 10-54 years	0	1	14	
D39.7	Female	2	1	11	
D39.9	Female	2	1	11	
D40	Male	2	1	10	
D65	28 days and over	1	2	03	
D75.1	28 days and over	1	2	03	
E05	28 days and over	1	2	03	
E10	28 days and over	1	2	03	
E11	28 days and over	1	2	03	
E12	28 days and over	1	2	03	
E13	28 days and over	1	2	03	
E14	28 days and over	1	2	03	
E16.2	28 days and over	1	2	03	
E20	28 days and over	1	2	03	
E28	Female	2	1	11	
E29	Male	2	1	10	
E56.1	28 days and over	1	2	03	
E63	28 days and over	1	2	03	
E83.4	28 days and over	1	2	03	
E83.5	28 days and over	1	2	03	
E86	28 days and over	1	2	03	
E87	28 days and over	1	2	03	
F01	20 years and over	0	2	07	
F03	55 years and over	0	2	23	

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	Edit code ¹
		0 - Conditional	1 - Absolute	
F10	28 days and over	1	2	03
F11	28 days and over	1	2	03
F12	28 days and over	1	2	03
F13	28 days and over	1	2	03
F14	28 days and over	1	2	03
F15	28 days and over	1	2	03
F16	28 days and over	1	2	03
F17	28 days and over	1	2	03
F18	28 days and over	1	2	03
F19	28 days and over	1	2	03
F52.4	Male, 10 years and over	1	1	19
F52.5	Female, 10 years and over	1	1	18
F53	Female, 10-54 years	1	1	14
G09	1 year and over	0	2	04
G30.1	65 years and over	0	2	09
G47.3	28 days and over	1	2	03
G70.0	28 days and over	1	2	03
I61	28 days and over	1	2	03
I62	28 days and over	1	2	03
I86.1	Male	2	1	10
I86.3	Female	2	1	11
J43	28 days and over	1	2	03
J80	28 days and over	1	2	03
J96	28 days and over	1	2	03
J98.1	28 days and over	1	2	03
J98.2	28 days and over	1	2	03
K27	28 days and over	1	2	03
K31.1	1 year and over	1	2	04

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	Edit code ¹
		0 - Conditional	1 - Absolute	
K31.3	1 year and over	1	2	04
K56	28 days and over	1	2	03
K63.1	28 days and over	1	2	03
K65	28 days and over	1	2	03
K92	28 days and over	1	2	03
L01	28 days and over	1	2	03
L10	28 days and over	1	2	03
L26	28 days and over	0	2	03
L29.1	Male	2	1	10
L29.2	Female	2	1	11
L50	28 days and over	1	2	03
L53.0	28 days and over	1	2	03
L70.0	1 year and over	1	2	04
L70.1	1 year and over	1	2	04
L70.2	1 year and over	1	2	04
L70.3	1 year and over	1	2	04
L70.5	Female, 1 year and over	1	1	21
L70.9	1 year and over	1	2	04
M34	28 days and over	1	2	03
M80.0	Female	2	1	11
M80.1	Female	2	1	11
M81.0	Female	2	1	11
M81.1	Female	2	1	11
M83.0	Female, 10-54 years	1	1	14
M83.1	10 years and over	1	2	20
M83.2	10 years and over	1	2	20
M83.3	10 years and over	1	2	20
M83.4	10 years and over	1	2	20

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	
		0 - Conditional	1 - Absolute	
M83.5	10 years and over	1	2	20
M83.8	10 years and over	1	2	20
M83.9	10 years and over	1	2	20
N39.0	28 days and over	1	2	03
N40	Male	2	1	10
N41	Male	2	1	10
N42	Male	2	1	10
N43	Male	2	1	10
N44	Male	2	1	10
N45	Male	2	1	10
N46	Male	2	1	10
N47	Male	2	1	10
N48	Male	2	1	10
N49	Male	2	1	10
N50	Male	2	1	10
N61	28 days and over	1	2	03
N70	Female	2	1	11
N71	Female	2	1	11
N72	Female	2	1	11
N73	Female	2	1	11
N75	Female	2	1	11
N76	Female	2	1	11
N80	Female	2	1	11
N81	Female	2	1	11
N82	Female	2	1	11
N83	Female	2	1	11
N84	Female	2	1	11
N85	Female	2	1	11

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	0 - Conditional 1 - Absolute <u>2 - Not Applicable</u>			Edit code ¹
		Age	Sex	0 - Conditional	
				1 - Absolute	
N86	Female	2	1	11	
N87	Female	2	1	11	
N88	Female	2	1	11	
N89	Female	2	1	11	
N90	Female	2	1	11	
N91	Female	2	1	11	
N92	Female	2	1	11	
N93	Female	2	1	11	
N94	Female	2	1	11	
N95	Female	2	1	11	
N96	Female, 10-54 years	1	1	14	
N97	Female, 10-54 years	1	1	14	
N98	Female, 10-54 years	1	1	14	
O00	Female, 10-54 years	1	1	14	
O01	Female, 10-54 years	1	1	14	
O02	Female, 10-54 years	1	1	14	
O03	Female, 10-54 years	1	1	14	
O04	Female, 10-54 years	1	1	14	
O05	Female, 10-54 years	1	1	14	
O06	Female, 10-54 years	1	1	14	
O07	Female, 10-54 years	1	1	14	
O10	Female, 10-54 years	1	1	14	
O11	Female, 10-54 years	1	1	14	
O12	Female, 10-54 years	1	1	14	
O13	Female, 10-54 years	1	1	14	
O14	Female, 10-54 years	1	1	14	
O15	Female, 10-54 years	1	1	14	
O16	Female, 10-54 years	1	1	14	

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	
		0 - Conditional	1 - Absolute	
O20	Female, 10-54 years	1	1	14
O21	Female, 10-54 years	1	1	14
O22	Female, 10-54 years	1	1	14
O23	Female, 10-54 years	1	1	14
O24	Female, 10-54 years	1	1	14
O25	Female, 10-54 years	1	1	14
O26	Female, 10-54 years	1	1	14
O28	Female, 10-54 years	1	1	14
O29	Female, 10-54 years	1	1	14
O30	Female, 10-54 years	1	1	14
O31	Female, 10-54 years	1	1	14
O32	Female, 10-54 years	1	1	14
O33	Female, 10-54 years	1	1	14
O34	Female, 10-54 years	1	1	14
O35	Female, 10-54 years	1	1	14
O36	Female, 10-54 years	1	1	14
O40	Female, 10-54 years	1	1	14
O41	Female, 10-54 years	1	1	14
O42	Female, 10-54 years	1	1	14
O43	Female, 10-54 years	1	1	14
O44	Female, 10-54 years	1	1	14
O45	Female, 10-54 years	1	1	14
O46	Female, 10-54 years	1	1	14
O47	Female, 10-54 years	1	1	14
O48	Female, 10-54 years	1	1	14
O60	Female, 10-54 years	1	1	14
O61	Female, 10-54 years	1	1	14
O62	Female, 10-54 years	1	1	14

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	
		0 - Conditional	1 - Absolute	
O63	Female, 10-54 years	1	1	14
O64	Female, 10-54 years	1	1	14
O65	Female, 10-54 years	1	1	14
O66	Female, 10-54 years	1	1	14
O67	Female, 10-54 years	1	1	14
O68	Female, 10-54 years	1	1	14
O69	Female, 10-54 years	1	1	14
O70	Female, 10-54 years	1	1	14
O71	Female, 10-54 years	1	1	14
O72	Female, 10-54 years	1	1	14
O73	Female, 10-54 years	1	1	14
O74	Female, 10-54 years	1	1	14
O75	Female, 10-54 years	1	1	14
O85	Female, 10-54 years	1	1	14
O86	Female, 10-54 years	1	1	14
O87	Female, 10-54 years	1	1	14
O88	Female, 10-54 years	1	1	14
O89	Female, 10-54 years	1	1	14
O90	Female, 10-54 years	1	1	14
O91	Female, 10-54 years	1	1	14
O92	Female, 10-54 years	1	1	14
O95	Female, 10-54 years	1	1	14
O96	Female, 10-54 years	1	1	14
O97	Female, 10-54 years	1	1	14
O98	Female, 10-54 years	1	1	14
O99	Female, 10-54 years	1	1	14
P00	Under 1 year	0	2	02
P01	Under 1 year	0	2	02

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	0 - Conditional			Edit code ¹	
		1 - Absolute				
		<u>2 - Not Applicable</u>				
P02	Under 1 year	0	2	02		
P03	Under 1 year	0	2	02		
P04	Under 1 year	0	2	02		
P05	Under 1 year	0	2	02		
P07	Under 1 year	0	2	02		
P08	Under 1 year	0	2	02		
P10	Under 1 year	0	2	02		
P11	Under 1 year	0	2	02		
P12	Under 1 year	0	2	02		
P13	Under 1 year	0	2	02		
P14	Under 1 year	0	2	02		
P15	Under 1 year	0	2	02		
P20	Under 1 year	0	2	02		
P21	Under 1 year	0	2	02		
P22	Under 1 year	0	2	02		
P23	Under 1 year	0	2	02		
P24	Under 1 year	0	2	02		
P25	Under 1 year	0	2	02		
P26	Under 1 year	0	2	02		
P27	Under 1 year	0	2	02		
P28	Under 1 year	0	2	02		
P29	Under 1 year	0	2	02		
P35	Under 1 year	0	2	02		
P36	Under 1 year	0	2	02		
P37	Under 1 year	0	2	02		
P38	Under 1 year	0	2	02		
P39	Under 1 year	0	2	02		
P50	Under 1 year	0	2	02		

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	0 - Conditional			Edit code ¹	
		1 - Absolute				
		<u>2 - Not Applicable</u>				
P51	Under 1 year	0	2	02		
P52	Under 1 year	0	2	02		
P53	Under 1 year	0	2	02		
P54.0	Under 1 year	0	2	02		
P54.1	Under 1 year	0	2	02		
P54.2	Under 1 year	0	2	02		
P54.3	Under 1 year	0	2	02		
P54.4	Under 1 year	0	2	02		
P54.5	Under 1 year	0	2	02		
P54.6	Female, under 1 year	0	1	22		
P54.8	Under 1 year	0	2	02		
P54.9	Under 1 year	0	2	02		
P55	Under 1 year	0	2	02		
P56	Under 1 year	0	2	02		
P57	Under 1 year	0	2	02		
P58	Under 1 year	0	2	02		
P59	Under 1 year	0	2	02		
P60	Under 1 year	0	2	02		
P61	Under 1 year	0	2	02		
P70	Under 1 year	0	2	02		
P71	Under 1 year	0	2	02		
P72	Under 1 year	0	2	02		
P74	Under 1 year	0	2	02		
P76	Under 1 year	0	2	02		
P77	Under 1 year	0	2	02		
P78	Under 1 year	0	2	02		
P80	Under 1 year	0	2	02		
P81	Under 1 year	0	2	02		

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	Edit code ¹
		0 - Conditional	1 - Absolute	
P83	Under 1 year	0	2	02
P90	Under 1 year	0	2	02
P91	Under 1 year	0	2	02
P92	Under 1 year	0	2	02
P93	Under 1 year	0	2	02
P94	Under 1 year	0	2	02
P96	Under 1 year	0	2	02
Q50	Female	2	1	11
Q51	Female	2	1	11
Q52	Female	2	1	11
Q53	Male	2	1	10
Q54	Male	2	1	10
Q55	Male	2	1	10
Q96	Female	2	1	11
Q97	Female	2	1	11
Q98	Male	2	1	10
R00	28 days and over	1	2	03
R01	28 days and over	1	2	03
R04.8	28 days and over	1	2	03
R06.8	28 days and over	0	2	03
R09.0	28 days and over	1	2	03
R09.2	28 days and over	1	2	03
R11	28 days and over	1	2	03
R17	28 days and over	1	2	03
R23.0	28 days and over	1	2	03
R23.3	28 days and over	1	2	03
R29.0	28 days and over	1	2	03
R40	28 days and over	1	2	03

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	Edit code ¹
		0 - Conditional	1 - Absolute	
R50	28 days and over	1	2	03
R53	28 days and over	1	2	03
R54	65 years and over	0	2	09
R56	28 days and over	1	2	03
R58	28 days and over	1	2	03
R60	28 days and over	1	2	03
R63.3	28 days and over	1	2	03
R68.0	28 days and over	1	2	03
R68.1	28 days and over	1	2	03
R73	28 days and over	0	2	03
R86	Male	2	1	10
R87	Female	2	1	11
R95	Under 1 year	1	2	02
R96.0	1 year and over	1	2	04
R96.1	1 year and over	0	2	04
X60	5 years and over	1	2	06
X61	5 years and over	1	2	06
X62	5 years and over	1	2	06
X63	5 years and over	1	2	06
X64	5 years and over	1	2	06
X65	5 years and over	1	2	06
X66	5 years and over	1	2	06
X67	5 years and over	1	2	06
X68	5 years and over	1	2	06
X69	5 years and over	1	2	06
X70	5 years and over	1	2	06
X71	5 years and over	1	2	06
X72	5 years and over	1	2	06

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Edit code ¹		
		Age	Sex	
		0 - Conditional	1 - Absolute	<u>2 - Not Applicable</u>
X73	5 years and over	1	2	06
X74	5 years and over	1	2	06
X75	5 years and over	1	2	06
X76	5 years and over	1	2	06
X77	5 years and over	1	2	06
X78	5 years and over	1	2	06
X79	5 years and over	1	2	06
X80	5 years and over	1	2	06
X81	5 years and over	1	2	06
X82	5 years and over	1	2	06
X83	5 years and over	1	2	06
X84	5 years and over	1	2	06
Y06.1	Under 18 years	0	2	17
Y07.1	Under 18 years	0	2	17
Y42.4	Female, 10-54 years	1	1	14
Y42.5	Female	2	1	11
Y76	Female	2	1	11
Y85	1 year and over	1	2	04
Y86	1 year and over	1	2	04
Y87.0	5 years and over	1	2	06
Y87.1	1 year and over	1	2	04
Y87.2	1 year and over	1	2	04
Y88	1 year and over	1	2	04
Y89	1 year and over	1	2	04

¹ Edit codes may be useful for programming the age/sex limitations as follows:

Edit code

Limited to

Edit code

Limited to

Table G. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes Valid for Both Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 code	Age/sex limitation	Age	Sex	Edit
				code ¹
				0 - Conditional
02	Under 1 year	13	Female, 28 days and over	
03	28 days and over	14	Female, 10-54 years	
04	1 year and over	17	Under 18 years	
05	2 years and over	18	Female, 10 years and over	
06	5 years and over	19	Male, 10 years and over	
07	20 years and over	20	10 years and over	
09	65 years and over	21	Female, 1 year and over	
10	Male	22	Female, under 1 year	
11	Female	23	55 years and over	

Note: Edit codes 01, 08, 12, 15, and 16 are not used for table G.

Table H. Age/Cause and Sex/Cause Consistency Edits for ICD-10 Codes
Valid for Multiple Cause-of-Death Classification Only

ICD-10 code	Age/sex limitation	0 - Conditional 1 - Absolute <u>2 - Not Applicable</u>			Edit code ¹
		Age	Sex		
E89.4	Female	2	1	11	
E89.5	Male	2	1	10	
N99.2	Female	2	1	11	
N99.3	Female	2	1	11	
O08	Female, 10-54	1	1	14	
S31.2	Male	2	1	10	
S31.3	Male	2	1	10	
S31.4	Female	2	1	11	
S37.4	Female	2	1	11	
S37.5	Female	2	1	11	
S37.6	Female	2	1	11	
T38.4	Female	2	0	11	
T38.5	Female	2	0	11	
T70.3	12 years and over	0	2	16	

¹ Edit codes may be useful for programming the age/sex limitations as follows:

<u>Edit code</u>	<u>Limited to</u>
10	Male
11	Female
14	Female, 10-54 years
16	12 years and over

Note: Edit codes 01-09, 12-13, 15, and 17-22 are not used for table H.

Note: For queries of infrequent or rare causes of death, exclude any records with mention of Human immunodeficiency infection in combination with any of the conditions listed in table I.

Table I. Infrequent and Rare Cause-of-Death Edits for Underlying and Multiple Cause-of-Death Classification

<u>ICD-10 code</u>	<u>Cause</u>
A00	Cholera
A01	Typhoid and paratyphoid fevers
A05.1	Botulism (including infant and wound botulism)
A07.0-.2,.8-.9	Other protozoal intestinal diseases (excluding coccidiosis)
A20	Plague
A21	Tularemia
A22	Anthrax
A23	Brucellosis
A24.0	Glanders
A24.1-.4	Melioidosis
A25	Rat-bite fevers
A27	Leptospirosis
A30	Leprosy [Hansen's disease]
A33	Tetanus neonatorum
A34	Obstetrical tetanus
A35	Other tetanus (Tetanus)
A36	Diphtheria
A37	Whooping cough
A44	Bartonellosis
A65	Nonvenereal syphilis
A66	Yaws
A67	Pinta [carate]
A68	Relapsing fever
A69	Other spirochetal infection
A70	Chlamydia psittaci infection (ornithosis)
A75.0	Epidemic louse-borne typhus fever due to Rickettsia prowazekii
A75.1-.9	Other typhus fever
A77.1	Spotted fever due to Rickettsia conorii (Boutonneuse fever)
A77.2	Spotted fever due to Rickettsia siberica (North Asian tick fever)
A77.3	Spotted fever due to Rickettsia australis (Queensland tick typhus)
A77.8	Other spotted fevers (Other tick-borne rickettsioses)
A77.9	Spotted fever, unspecified (unspecified tick-borne rickettsioses)
A78	Q fever
A79	Other rickettsioses
A80	Acute poliomyelitis
A81	Atypical virus infections of central nervous system
A82	Rabies
A84	Tick-borne viral encephalitis
A85.2	Arthropod-borne viral encephalitis, unspecified (Viral encephalitis transmitted by other and unspecified arthropods)
A90	Dengue fever [classical dengue]

Table I. Infrequent and Rare Cause-of-Death Edits for Underlying and Multiple Cause-of-Death Classification - Continued

ICD-10 <u>code</u>	<u>Cause</u>
A91	Dengue hemorrhagic fever
A92	Other mosquito-borne viral fevers
A93	Other arthropod-borne viral fevers, not elsewhere classified (including Oropouche fever, sandfly fever, Colorado tick fever and other specified fevers)
A94	Unspecified arthropod-borne viral fever
A95	Yellow fever
A96	Arenaviral hemorrhagic fever
A98-A99	Other and unspecified viral hemorrhagic fevers (including Crimean-Congo, Omsk, Kyasanur Forest, Ebola virus, Hanta virus)
B01	Varicella [chickenpox]
B03	Smallpox
B04	Monkeypox
B05	Measles
B06	Rubella [German measles]
B08.0	Other orthopoxvirus infections (including cowpox and paravaccinia)
B26	Mumps
B33.0	Epidemic myalgia (epidemic pleurodynia)
B50-B54	Malaria
B55	Leishmaniasis
B56	African trypanosomiasis
B57	Chagas' disease (including American trypanosomiasis)
B65	Schistosomiasis [bilharziasis]
B66	Other fluke infections (including other trematode infections)
B67	Echinococcosis
B68	Teniasis
B69	Cysticercosis
B70	Diphyllobothriasis and sparganosis
B71	Other cestode infections
B72	Dracunculiasis (Dracontiasis)
B73	Onchocerciasis
B74	Filariasis (Filarial infection)
P35.0	Congenital rubella syndrome
W88-W91	Exposure to radiation
Y36.5	War operation involving nuclear weapons
	Causing adverse effects in therapeutic use:
Y58	Bacterial vaccines
Y59.0	Viral vaccines
Y59.1	Rickettsial vaccines
Y59.2	Protozoal vaccines
Y59.3	Immunoglobulin

Table J. Place-of-Occurrence Edits for Selected External Causes of Death,
ICD-10 W00-Y34, except Y06._, Y07._

[Place-of-occurrence codes are used for ICD-10 codes W00 - Y34 (except Y06._ and Y07._). For a listing of place-of-occurrence codes and their definitions see International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Vol. 1, in the beginning of Chapter XX.]

ICD-10 Code	Place-of-Occurrence Codes Allowed	Allocate Invalid Codes To:
W06	0,1,2,3,5,6,7,8,9	9
W07	0,1,2,3,5,6,7,8,9	9
W08	0,1,2,3,5,6,7,8,9	9
W09	0,1,2,3,5,6,8,9	9
W16	0,1,2,3,5,6,7,8,9	9
W35	0,1,2,3,5,6,7,8,9	9
W65	0,1,2,5,7,8,9	9
W66	0,1,2,5,7,8,9	9
W67	0,1,2,3,5,6,7,8,9	9
W68	0,1,2,3,5,6,7,8,9	9
W69	6,8,9	9
W70	6,8,9	9
W75	0,1,2,3,5,6,7,8,9	9
X00	0,1,2,3,5,6,7,8,9	9
X02	0,1,2,5,6,7,8,9	9
X05	0,1,2,3,4,5,7,8,9	9
X15	0,1,2,3,5,6,7,8,9	9
X52	1,2,5,6,8,9	9
X71	0,1,2,3,5,6,7,8,9	9
X92	0,1,2,3,5,6,7,8,9	9
Y21	0,1,2,3,5,6,7,8,9	9

NOTE 1: For ICD-10 codes included in the range W00 - Y34 (except Y06._ and Y07._) and not specified above, the place-of-occurrence codes 0 through 9 are allowed. Invalid codes will be allocated to code 9.

NOTE 2: The place-of-occurrence codes may be used for selected external causes of death W00-Y34 (except Y06._ and Y07._) that may be either an underlying or a multiple cause of death.

NOTE 3: The place-of-occurrence codes assigned are based on reported entries on State death certificate items equivalent to the 1989 revision of the U.S. Standard Certificate of Death item "30e. Place of injury".

Table K. Activity Code Edits for Selected External Causes of Death,
ICD-10 V01-Y34

[Activity codes are used for ICD-10 codes V01-Y34 to indicate the activity of the injured person at the time the event occurred. For a listing of activity codes and their definitions see International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Vol. 1, beginning of Chapter XX.]

<u>ICD-10 Code</u>	<u>Activity Codes Allowed</u>	<u>Allocate Invalid Codes To:</u>
V01-Y34	0,1,2,3,4,8,9	9

NOTE 1: The quality of the activity codes for data year 1999 will be evaluated by NCHS. In the event that the quality is sufficiently good, additional activity code edits may be prepared.

NOTE 2: The activity codes may be used for selected external causes of death V01-Y34 that may be either an underlying or a multiple cause of death.

NOTE 3: The activity codes assigned are based on reported entries on State death certificate items equivalent to the 1989 revision of the U.S. Standard Certificate of Death item "30d. Describe how injury occurred".

Section on Fetal Death File

V Fetal Death File Cause-of-Death Computer Edits

The fetal death file is used to produce annual detailed tabulations of demographic and geographic data and contains cause-of-death data in most States. The edits are designed to assure code validity for cause of death and verify codes or code combinations which are considered either impossible or unlikely occurrences.

A. Medical Items

Valid cause-of-death codes in ICD-10 are categorized in terms of their validity for underlying cause-of-death classification.

1. Codes for Underlying Causes of Fetal Death

Table L lists the ICD-10 codes valid for coding underlying cause of fetal death. For records that fail the edit, NCHS will review, but then the cause of death will be recoded to P95- cause unknown.

2. Created Codes

The fetal death file does not use created codes in ICD-10.

3. Sex/Cause Consistency Edits

The purpose of this computer edit is to maintain consistency between a reported underlying cause of death and the sex of the fetus. Table M lists the ICD codes which are applicable only to males or only to females. The sex/cause edit will be done after the imputation for not-stated sex. If sex is coded 1 (male) or 9 (unknown), and the cause of death is listed in table M as being applicable only to females, the sex will be changed to 2 (female). If sex is coded 2 (female) or 9 (unknown) and the cause of death is listed in table M as being applicable only to males, the sex will be changed to 1 (male).

4. Plurality/Cause Consistency Edits

The purpose of this computer edit is to maintain consistency between a reported underlying cause of death and the plurality of the fetus. Some ICD codes are applicable only to multiple births. If the cause of fetal death is assigned to ICD-10 codes P01.5 or Q89.4, plurality should be coded other than 1 (singleton). The check for consistency between plurality and cause of death should be done after the processing for plurality. If the cause of fetal death is assigned to ICD code Q89.4 and plurality is coded 1, the ICD code will be changed to Q89.9. If the cause of fetal death is coded to ICD code P01.5 and plurality is coded 1, the ICD code will be changed to P01.9.

Table L. ICD-10 Codes Valid for Underlying Causes of Fetal Death

A000	A09	A241	A420	A669	A841	B007	B220	B403	B510
A001	A162	A242	A421	A670	A848	B008	B221	B407	B518
A009	A163	A243	A422	A671	A849	B009	B222	B408	B519
A010	A164	A244	A427	A673	A850	B010	B230	B409	B520
A011	A165	A250	A428	A679	A851	B011	B231	B410	B528
A012	A167	A251	A429	A680	A852	B012	B232	B417	B529
A013	A168	A259	A430	A681	A858	B018	B238	B418	B530
A014	A169	A260	A431	A689	A86	B019	B24	B419	B531
A020	A170	A267	A438	A690	A870	B020	B250	B420	B538
A021	A171	A268	A439	A691	A871	B021	B251	B421	B54
A022	A178	A269	A440	A692	A872	B022	B252	B427	B550
A028	A179	A270	A441	A698	A878	B023	B258	B428	B551
A029	A180	A278	A448	A699	A879	B027	B259	B429	B552
A030	A181	A279	A449	A70	A880	B028	B260	B430	B559
A031	A182	A280	A46	A750	A881	B029	B261	B431	B560
A032	A183	A281	A480	A751	A888	B03	B262	B432	B561
A033	A184	A282	A482	A752	A89	B04	B263	B438	B569
A038	A185	A288	A483	A753	A90	B050	B268	B439	B570
A039	A186	A289	A484	A759	A91	B051	B269	B440	B571
A040	A187	A300	A488	A770	A920	B052	B270	B441	B572
A041	A188	A301	A490	A771	A921	B053	B271	B442	B573
A042	A190	A303	A491	A772	A922	B054	B278	B447	B574
A043	A191	A305	A492	A773	A923	B058	B279	B448	B575
A044	A192	A308	A493	A778	A924	B059	B330	B449	B580
A045	A198	A309	A498	A779	A928	B080	B331	B450	B581
A046	A199	A310	A499	A78	A929	B150	B332	B451	B582
A047	A200	A311	A500	A790	A930	B159	B333	B452	B583
A048	A201	A318	A502	A791	A931	B160	B338	B453	B588
A049	A202	A319	A503	A798	A932	B161	B340	B457	B589
A050	A203	A320	A504	A799	A938	B162	B341	B458	B59
A051	A207	A321	A505	A800	A94	B169	B342	B459	B600
A052	A208	A327	A509	A802	A950	B170	B343	B460	B601
A053	A209	A328	A540	A803	A951	B171	B344	B461	B602
A058	A210	A329	A541	A804	A959	B178	B348	B462	B608
A059	A211	A360	A542	A809	A960	B180	B349	B463	B64
A060	A212	A361	A543	A810	A961	B181	B380	B464	B650
A061	A213	A362	A544	A811	A962	B182	B381	B465	B651
A062	A217	A363	A545	A812	A968	B188	B382	B468	B652
A063	A218	A368	A546	A818	A969	B189	B383	B469	B653
A064	A219	A369	A548	A819	A980	B190	B384	B470	B658
A065	A220	A370	A549	A820	A981	B199	B387	B471	B659
A066	A221	A371	A600	A821	A982	B200	B388	B479	B660
A067	A222	A378	A601	A829	A983	B201	B389	B480	B661
A068	A227	A379	A609	A830	A984	B202	B390	B481	B662
A069	A228	A38	A65	A831	A985	B203	B391	B482	B663
A072	A229	A390	A660	A832	A988	B204	B392	B483	B664
A073	A230	A391	A661	A833	A99	B205	B393	B484	B665
A078	A231	A392	A662	A834	B000	B206	B394	B487	B668
A079	A232	A393	A663	A835	B001	B208	B395	B488	B669
A082	A233	A394	A664	A836	B002	B209	B399	B49	B670
A083	A238	A395	A665	A838	B003	B210	B400	B500	B671
A084	A239	A398	A666	A839	B004	B211	B401	B508	B672
A085	A240	A399	A667	A840	B005	B212	B402	B509	B673

Table L. ICD-10 Codes Valid for Underlying Causes of Fetal Death - Continued

B674	B838	C088	C183	C348	C468	C573	C715	C839	C961
B675	B839	C089	C184	C349	C469	C574	C716	C840	C962
B676	B870	C090	C185	C37	C470	C577	C717	C841	C963
B677	B871	C091	C186	C380	C471	C578	C718	C842	C967
B678	B872	C098	C187	C381	C472	C579	C719	C843	C969
B679	B873	C099	C188	C382	C473	C600	C720	C844	D000
B680	B874	C100	C189	C383	C474	C601	C721	C845	D001
B681	B878	C101	C19	C384	C475	C602	C722	C850	D002
B689	B879	C102	C20	C388	C476	C608	C723	C851	D010
B690	B880	C103	C210	C390	C478	C609	C724	C857	D011
B691	B881	C104	C211	C398	C479	C61	C725	C859	D012
B698	B882	C108	C212	C399	C480	C620	C728	C880	D013
B699	B883	C109	C218	C400	C481	C621	C729	C881	D014
B700	B888	C110	C220	C401	C482	C629	C73	C882	D015
B701	B889	C111	C221	C402	C488	C630	C740	C883	D017
B710	B89	C112	C222	C403	C490	C631	C741	C887	D019
B711	B99	C113	C223	C408	C491	C632	C749	C889	D020
B718	C000	C118	C224	C409	C492	C637	C750	C900	D021
B719	C001	C119	C227	C410	C493	C638	C751	C901	D022
B72	C002	C12	C229	C411	C494	C639	C752	C902	D023
B73	C003	C130	C23	C412	C495	C64	C753	C910	D024
B740	C004	C131	C240	C413	C496	C65	C754	C911	D030
B741	C005	C132	C241	C414	C498	C66	C755	C912	D031
B743	C006	C138	C248	C419	C499	C670	C758	C913	D032
B744	C008	C139	C249	C430	C500	C671	C759	C914	D033
B748	C009	C140	C250	C431	C501	C672	C760	C915	D034
B749	C01	C142	C251	C432	C502	C673	C761	C917	D035
B75	C020	C148	C252	C433	C503	C674	C762	C919	D036
B760	C021	C150	C253	C434	C504	C675	C763	C920	D037
B761	C022	C151	C254	C435	C505	C676	C764	C921	D038
B768	C023	C152	C257	C436	C506	C677	C765	C922	D039
B769	C024	C153	C259	C437	C508	C678	C767	C923	D040
B770	C028	C154	C260	C438	C509	C679	C768	C924	D041
B778	C029	C155	C261	C439	C510	C680	C80	C925	D042
B779	C030	C158	C268	C440	C511	C681	C810	C927	D043
B780	C031	C159	C269	C441	C512	C688	C811	C929	D044
B781	C039	C160	C300	C442	C518	C689	C812	C930	D045
B787	C040	C161	C301	C443	C519	C690	C813	C931	D046
B789	C041	C162	C310	C444	C52	C691	C817	C932	D047
B79	C048	C163	C311	C445	C530	C692	C819	C937	D048
B80	C049	C164	C312	C446	C531	C693	C820	C939	D049
B810	C050	C165	C313	C447	C538	C694	C821	C940	D050
B811	C051	C166	C318	C448	C539	C695	C822	C941	D051
B812	C052	C168	C319	C449	C540	C696	C827	C942	D057
B813	C058	C169	C321	C450	C541	C698	C829	C943	D059
B814	C059	C170	C322	C451	C542	C699	C830	C944	D060
B818	C060	C171	C323	C452	C543	C700	C831	C945	D061
B820	C061	C172	C328	C457	C548	C701	C832	C947	D067
B829	C062	C173	C329	C459	C549	C709	C833	C950	D069
B830	C068	C178	C33	C460	C55	C710	C834	C951	D070
B831	C069	C179	C340	C461	C56	C711	C835	C952	D071
B832	C07	C180	C341	C462	C570	C712	C836	C957	D072
B833	C080	C181	C342	C463	C571	C713	C837	C959	D073
B834	C081	C182	C343	C467	C572	C714	C838	C960	D074

Table L. ICD-10 Codes Valid for Underlying Causes of Fetal Death - Continued

D075	D166	D267	D369	D461	D572	D720	D839	E268	E761
D076	D167	D269	D370	D462	D573	D721	D840	E269	E762
D090	D168	D27	D371	D463	D578	D728	D841	E270	E763
D091	D169	D280	D372	D464	D580	D729	D848	E271	E768
D092	D170	D281	D373	D467	D581	D730	D849	E272	E769
D093	D171	D282	D374	D469	D582	D731	D860	E274	E770
D097	D172	D287	D375	D470	D588	D732	D861	E275	E771
D099	D173	D289	D376	D471	D589	D733	D862	E278	E778
D100	D174	D290	D377	D472	D590	D734	D863	E279	E779
D101	D175	D291	D379	D473	D591	D735	D868	E310	E780
D102	D176	D292	D380	D477	D592	D738	D869	E311	E781
D103	D177	D293	D381	D479	D593	D739	D890	E318	E782
D104	D179	D294	D382	D480	D594	D740	D891	E319	E783
D105	D180	D297	D383	D481	D595	D748	D892	E320	E784
D106	D181	D299	D384	D482	D596	D749	D898	E321	E785
D107	D190	D300	D385	D483	D598	D750	D899	E328	E786
D109	D191	D301	D386	D484	D599	D752	E000	E329	E788
D110	D197	D302	D390	D485	D600	D758	E001	E341	E789
D117	D199	D303	D391	D486	D601	D759	E002	E345	E791
D119	D200	D304	D397	D487	D608	D760	E009	E348	E798
D120	D201	D307	D399	D489	D609	D761	E030	E349	E799
D121	D210	D309	D400	D501	D610	D762	E031	E700	E800
D122	D211	D310	D401	D508	D611	D763	E071	E701	E801
D123	D212	D311	D407	D509	D612	D800	E079	E702	E802
D124	D213	D312	D409	D510	D613	D801	E15	E703	E803
D125	D214	D313	D410	D511	D618	D802	E160	E708	E804
D126	D215	D314	D411	D512	D619	D803	E161	E709	E805
D127	D216	D315	D412	D513	D640	D804	E163	E710	E806
D128	D219	D316	D413	D518	D641	D805	E168	E711	E807
D129	D220	D319	D414	D519	D642	D806	E169	E712	E830
D130	D221	D320	D417	D520	D643	D807	E200	E713	E831
D131	D222	D321	D419	D521	D644	D808	E201	E720	E832
D132	D223	D329	D420	D528	D648	D809	E208	E721	E833
D133	D224	D330	D421	D529	D649	D810	E209	E722	E838
D134	D225	D331	D429	D530	D66	D811	E210	E723	E839
D135	D226	D332	D430	D531	D67	D812	E213	E724	E840
D136	D227	D333	D431	D532	D680	D813	E214	E725	E841
D137	D229	D334	D432	D538	D681	D814	E215	E728	E848
D139	D230	D337	D433	D539	D682	D815	E221	E729	E849
D140	D231	D339	D434	D550	D683	D816	E228	E740	E850
D141	D232	D34	D437	D551	D684	D817	E229	E741	E851
D142	D233	D350	D439	D552	D688	D818	E230	E742	E852
D143	D234	D351	D440	D553	D689	D819	E233	E743	E853
D144	D235	D352	D441	D558	D690	D820	E236	E744	E854
D150	D236	D353	D442	D559	D691	D821	E237	E748	E858
D151	D237	D354	D443	D560	D692	D822	E240	E749	E859
D152	D239	D355	D444	D561	D693	D823	E241	E750	E880
D157	D24	D356	D445	D562	D694	D824	E243	E751	E881
D160	D250	D357	D446	D563	D695	D828	E248	E752	E882
D161	D251	D358	D447	D564	D696	D829	E249	E753	E888
D162	D252	D359	D448	D568	D698	D830	E250	E754	E889
D163	D259	D360	D449	D569	D699	D831	E258	E755	G000
D164	D260	D361	D45	D570	D70	D832	E259	E756	G001
D165	D261	D367	D460	D571	D71	D838	E260	E760	G002

Table L. ICD-10 Codes Valid for Underlying Causes of Fetal Death - Continued

G003	G912	I636	N041	P025	P129	P271	P523	P728	Q038
G008	G913	I638	N042	P026	P130	P278	P524	P729	Q039
G009	G918	I639	N043	P027	P131	P279	P525	P741	Q040
G030	G919	I780	N044	P028	P132	P280	P526	P742	Q041
G038	G935	I789	N045	P029	P133	P281	P528	P743	Q042
G039	G950	J100	N046	P030	P134	P285	P529	P744	Q043
G040	G951	J101	N047	P031	P138	P288	P540	P745	Q045
G041	G952	J108	N048	P032	P139	P289	P541	P748	Q046
G042	G958	J110	N049	P033	P140	P290	P542	P749	Q048
G048	G959	J111	N050	P034	P141	P291	P543	P760	Q049
G120	I210	J118	N051	P035	P142	P292	P544	P768	Q050
G121	I211	K400	N052	P036	P143	P294	P545	P769	Q051
G122	I212	K401	N053	P038	P148	P298	P546	P77	Q052
G128	I213	K402	N054	P039	P149	P299	P548	P780	Q053
G129	I214	K403	N055	P040	P150	P350	P549	P781	Q054
G318	I219	K404	N056	P041	P151	P351	P550	P782	Q055
G319	I220	K409	N057	P042	P152	P352	P551	P783	Q056
G361	I221	K410	N058	P043	P153	P353	P558	P788	Q057
G368	I228	K411	N059	P044	P154	P358	P559	P789	Q058
G369	I229	K412	N070	P045	P155	P359	P560	P830	Q059
G370	I241	K413	N071	P046	P156	P360	P569	P831	Q060
G371	I248	K414	N072	P048	P158	P361	P570	P832	Q061
G372	I249	K419	N073	P049	P159	P362	P578	P833	Q062
G373	I251	K420	N074	P050	P200	P363	P579	P910	Q063
G374	I255	K421	N075	P051	P201	P364	P580	P911	Q064
G375	I300	K429	N076	P052	P209	P365	P581	P912	Q068
G378	I301	K430	N077	P059	P219	P368	P582	P914	Q069
G379	I308	K431	N078	P070	P228	P369	P583	P915	Q070
G403	I309	K439	N079	P071	P229	P370	P584	P918	Q078
G404	I319	K450	P000	P072	P230	P371	P585	P919	Q079
G600	I330	K451	P001	P073	P231	P372	P588	P940	Q100
G601	I339	K458	P002	P080	P232	P373	P589	P941	Q101
G608	I400	K460	P003	P081	P233	P374	P591	P942	Q102
G609	I409	K461	P004	P082	P234	P375	P60	P948	Q103
G710	I424	K469	P005	P100	P235	P378	P612	P949	Q104
G711	I460	K550	P006	P101	P236	P379	P613	P95	Q105
G712	I461	K740	P007	P102	P238	P38	P614	P960	Q106
G719	I469	K741	P008	P103	P239	P392	P619	P961	Q107
G723	I600	K742	P009	P104	P240	P393	P700	P962	Q110
G800	I601	K743	P010	P108	P241	P394	P701	P963	Q111
G801	I602	K745	P011	P109	P242	P398	P702	P965	Q112
G802	I603	K768	P012	P110	P243	P399	P703	P968	Q113
G803	I604	K828	P013	P111	P248	P500	P704	P969	Q120
G804	I605	K838	P014	P112	P249	P501	P708	Q000	Q121
G808	I606	M000	P015	P113	P250	P502	P709	Q001	Q122
G809	I607	M001	P016	P114	P251	P503	P711	Q002	Q123
G900	I608	M002	P017	P115	P252	P504	P712	Q010	Q124
G901	I609	M008	P018	P119	P253	P505	P713	Q011	Q128
G902	I630	M009	P019	P120	P258	P508	P714	Q012	Q129
G903	I631	M329	P020	P121	P260	P509	P718	Q018	Q130
G908	I632	M359	P021	P122	P261	P519	P719	Q019	Q131
G909	I633	M600	P022	P123	P268	P520	P720	Q02	Q132
G910	I634	M898	P023	P124	P269	P521	P721	Q030	Q133
G911	I635	N040	P024	P128	P270	P522	P722	Q031	Q134

Table L. ICD-10 Codes Valid for Underlying Causes of Fetal Death - Continued

Q135	Q223	Q300	Q386	Q501	Q603	Q674	Q755	Q822	Q916
Q138	Q224	Q301	Q387	Q502	Q604	Q675	Q758	Q823	Q917
Q139	Q225	Q302	Q388	Q503	Q605	Q676	Q759	Q824	Q920
Q140	Q226	Q303	Q390	Q504	Q606	Q677	Q760	Q825	Q921
Q141	Q228	Q308	Q391	Q505	Q610	Q678	Q761	Q828	Q922
Q142	Q229	Q309	Q392	Q506	Q611	Q680	Q762	Q829	Q923
Q143	Q230	Q310	Q393	Q510	Q612	Q681	Q763	Q830	Q924
Q148	Q231	Q311	Q394	Q511	Q613	Q682	Q764	Q831	Q925
Q150	Q232	Q312	Q395	Q512	Q614	Q683	Q765	Q832	Q926
Q158	Q233	Q313	Q396	Q513	Q615	Q684	Q766	Q833	Q927
Q159	Q234	Q314	Q398	Q514	Q618	Q685	Q767	Q838	Q928
Q160	Q238	Q318	Q399	Q515	Q619	Q688	Q769	Q839	Q929
Q161	Q239	Q319	Q400	Q516	Q620	Q690	Q770	Q840	Q930
Q162	Q240	Q320	Q401	Q517	Q621	Q691	Q771	Q841	Q931
Q163	Q241	Q321	Q402	Q518	Q622	Q692	Q772	Q842	Q932
Q164	Q242	Q322	Q403	Q519	Q623	Q699	Q773	Q843	Q933
Q165	Q243	Q323	Q408	Q520	Q624	Q700	Q774	Q844	Q934
Q169	Q244	Q324	Q409	Q521	Q625	Q701	Q775	Q845	Q935
Q170	Q245	Q330	Q410	Q522	Q626	Q702	Q776	Q846	Q936
Q171	Q246	Q331	Q411	Q523	Q627	Q703	Q777	Q848	Q937
Q172	Q248	Q332	Q412	Q524	Q628	Q704	Q778	Q849	Q938
Q173	Q249	Q333	Q418	Q525	Q630	Q709	Q779	Q850	Q939
Q174	Q250	Q334	Q419	Q526	Q631	Q710	Q780	Q851	Q951
Q175	Q251	Q335	Q420	Q527	Q632	Q711	Q781	Q858	Q952
Q178	Q252	Q336	Q421	Q528	Q633	Q712	Q782	Q859	Q954
Q179	Q253	Q338	Q422	Q529	Q638	Q713	Q783	Q860	Q955
Q180	Q254	Q339	Q423	Q530	Q639	Q714	Q784	Q861	Q958
Q181	Q255	Q340	Q428	Q531	Q640	Q715	Q785	Q862	Q959
Q182	Q256	Q341	Q429	Q532	Q641	Q718	Q786	Q868	Q960
Q183	Q257	Q348	Q430	Q539	Q642	Q719	Q788	Q870	Q961
Q184	Q258	Q349	Q431	Q540	Q643	Q720	Q789	Q871	Q962
Q185	Q259	Q351	Q432	Q541	Q644	Q721	Q790	Q872	Q963
Q186	Q260	Q353	Q433	Q542	Q645	Q722	Q791	Q873	Q964
Q187	Q261	Q355	Q434	Q543	Q646	Q723	Q792	Q874	Q968
Q188	Q262	Q356	Q435	Q544	Q647	Q724	Q793	Q875	Q969
Q189	Q263	Q357	Q436	Q548	Q648	Q725	Q794	Q878	Q970
Q200	Q264	Q359	Q437	Q549	Q649	Q726	Q795	Q890	Q971
Q201	Q265	Q360	Q438	Q550	Q652	Q727	Q796	Q891	Q972
Q202	Q266	Q361	Q439	Q551	Q658	Q728	Q798	Q892	Q973
Q203	Q268	Q369	Q440	Q552	Q659	Q729	Q799	Q893	Q978
Q204	Q269	Q370	Q441	Q553	Q660	Q730	Q800	Q894	Q979
Q205	Q270	Q371	Q442	Q554	Q661	Q731	Q801	Q897	Q980
Q206	Q271	Q372	Q443	Q555	Q662	Q738	Q802	Q898	Q981
Q208	Q272	Q373	Q444	Q556	Q663	Q740	Q803	Q899	Q982
Q210	Q273	Q374	Q445	Q558	Q664	Q741	Q804	Q900	Q984
Q211	Q274	Q375	Q446	Q559	Q665	Q742	Q808	Q901	Q985
Q212	Q278	Q378	Q447	Q560	Q666	Q743	Q809	Q902	Q987
Q213	Q279	Q379	Q450	Q561	Q667	Q748	Q810	Q909	Q988
Q214	Q280	Q380	Q451	Q562	Q668	Q749	Q811	Q910	Q989
Q218	Q281	Q381	Q452	Q563	Q669	Q750	Q812	Q911	Q990
Q219	Q282	Q382	Q453	Q564	Q670	Q751	Q818	Q912	Q991
Q220	Q283	Q383	Q458	Q600	Q671	Q752	Q819	Q913	Q992
Q221	Q288	Q384	Q459	Q601	Q672	Q753	Q820	Q914	Q998
Q222	Q289	Q385	Q500	Q602	Q673	Q754	Q821	Q915	Q999

Table L. ICD-10 Codes Valid for Underlying Causes of Fetal Death - Continued

R75	V194	V876	V936	W40	X44	Y354
R780	V195	V877	V937	W41	X45	Y356
R781	V196	V878	V938	W42	X46	Y357
R782	V198	V879	V939	W43	X47	Y360
R783	V199	V880	V940	W44	X48	Y361
R784	V201	V881	V941	W45	X49	Y362
R785	V205	V882	V942	W49	X53	Y364
R786	V215	V883	V943	W50	X54	Y365
R787	V225	V884	V944	W51	X57	Y366
R788	V255	V885	V945	W52	X58	Y367
R789	V271	V886	V946	W53	X59	Y368
R830	V299	V887	V947	W58	X85	Y369
R831	V304	V888	V948	W59	X88	
R832	V399	V889	V949	W60	X89	
R833	V456	V890	V950	W64	X90	
R834	V471	V891	V951	W74	X99	
R835	V499	V892	V952	W83	X93	
R836	V599	V899	V953	W84	X94	
R837	V699	V900	V954	W85	X95	
R838	V799	V901	V958	W86	X96	
R839	V800	V902	V959	W87	X97	
R840	V803	V903	V960	W88	X98	
R841	V807	V904	V961	W89	Y00	
R842	V809	V905	V962	W90	Y01	
R843	V810	V906	V968	W91	Y02	
R844	V811	V907	V969	W92	Y03	
R845	V812	V908	V970	W93	Y04	
R846	V813	V909	V971	W99	Y05	
R847	V814	V910	V972	X09	Y08	
R848	V815	V911	V973	X19	Y09	
R849	V816	V912	V978	X20	Y10	
R850	V817	V913	V98	X21	Y11	
R851	V818	V914	V99	X22	Y12	
R852	V819	V915	W19	X23	Y13	
R853	V820	V916	W20	X24	Y14	
R854	V821	V917	W21	X25	Y15	
R855	V822	V918	W22	X26	Y16	
R856	V823	V919	W23	X27	Y17	
R857	V824	V920	W24	X28	Y18	
R858	V825	V921	W25	X29	Y19	
R859	V826	V922	W26	X30	Y22	
R99	V827	V923	W27	X31	Y23	
V060	V828	V924	W28	X32	Y24	
V061	V829	V925	W29	X33	Y25	
V069	V839	V926	W30	X34	Y26	
V090	V849	V927	W31	X35	Y27	
V091	V859	V928	W32	X36	Y28	
V092	V869	V929	W33	X37	Y29	
V093	V870	V930	W34	X38	Y32	
V099	V871	V931	W35	X39	Y33	
V190	V872	V932	W36	X40	Y34	
V191	V873	V933	W37	X41	Y350	
V192	V874	V934	W38	X42	Y351	
V193	V875	V935	W39	X43	Y353	

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death

ICD-10 code	Sex/plurality limitation	0-Conditional 1-Absolute <u>2-Not Applicable</u>			Edit code ¹
		Sex	Plurality		
		1	2		
B26.0	Male	1	2		10
C51.0	Female	1	2		11
C51.1	Female	1	2		11
C51.2	Female	1	2		11
C51.8	Female	1	2		11
C51.9	Female	1	2		11
C52	Female	1	2		11
C53.0	Female	1	2		11
C53.1	Female	1	2		11
C53.8	Female	1	2		11
C53.9	Female	1	2		11
C54.0	Female	1	2		11
C54.1	Female	1	2		11
C54.2	Female	1	2		11
C54.3	Female	1	2		11
C54.8	Female	1	2		11
C54.9	Female	1	2		11
C55	Female	1	2		11
C56	Female	1	2		11
C57.0	Female	1	2		11
C57.1	Female	1	2		11

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death - Continued

ICD-10 code	Sex/plurality limitation	0-Conditional 1-Absolute <u>2-Not Applicable</u>			Edit code ¹
		Sex	Plurality		
C57.2	Female	1	2		11
C57.3	Female	1	2		11
C57.4	Female	1	2		11
C57.7	Female	1	2		11
C57.8	Female	1	2		11
C57.9	Female	1	2		11
C60.0	Male	1	2		10
C60.1	Male	1	2		10
C60.2	Male	1	2		10
C60.8	Male	1	2		10
C60.9	Male	1	2		10
C61	Male	1	2		10
C62.0	Male	1	2		10
C62.1	Male	1	2		10
C62.9	Male	1	2		10
C63.0	Male	1	2		10
C63.1	Male	1	2		10
C63.2	Male	1	2		10
C63.7	Male	1	2		10
C63.8	Male	1	2		10
C63.9	Male	1	2		10
D06.0	Female	1	2		11
D06.1	Female	1	2		11

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death - Continued

ICD-10 code	Sex/plurality limitation	0-Conditional			Edit code ¹	
		1-Absolute				
		2-Not Applicable				
D06.7	Female	1	2		11	
D06.9	Female	1	2		11	
D07.0	Female	1	2		11	
D07.1	Female	1	2		11	
D07.2	Female	1	2		11	
D07.3	Female	1	2		11	
D07.4	Male	1	2		10	
D07.5	Male	1	2		10	
D07.6	Male	1	2		10	
D17.6	Male	1	2		10	
D25.0	Female	1	2		11	
D25.1	Female	1	2		11	
D25.2	Female	1	2		11	
D25.9	Female	1	2		11	
D26.0	Female	1	2		11	
D26.1	Female	1	2		11	
D26.7	Female	1	2		11	
D26.9	Female	1	2		11	
D27	Female	1	2		11	
D28.0	Female	1	2		11	
D28.1	Female	1	2		11	
D28.2	Female	1	2		11	
D28.7	Female	1	2		11	

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death - Continued

ICD-10 code	Sex/plurality limitation	0-Conditional 1-Absolute <u>2-Not Applicable</u>			Edit code ¹
		Sex	Plurality		
D28.9	Female	1	2		11
D29.0	Male	1	2		10
D29.1	Male	1	2		10
D29.2	Male	1	2		10
D29.3	Male	1	2		10
D29.4	Male	1	2		10
D29.7	Male	1	2		10
D29.9	Male	1	2		10
D39.0	Female	1	2		11
D39.1	Female	1	2		11
D39.7	Female	1	2		11
D39.9	Female	1	2		11
D40.0	Male	1	2		10
D40.1	Male	1	2		10
D40.7	Male	1	2		10
D40.9	Male	1	2		10
P01.5	Plural	2	1		24
P54.6	Female	1	2		11
Q50.0	Female	1	2		11
Q50.1	Female	1	2		11
Q50.2	Female	1	2		11
Q50.3	Female	1	2		11
Q50.4	Female	1	2		11

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death - Continued

ICD-10 code	Sex/plurality limitation	0-Conditional 1-Absolute <u>2-Not Applicable</u>			Edit code ¹
		Sex	Plurality		
Q50.5	Female	1	2		11
Q50.6	Female	1	2		11
Q51.0	Female	1	2		11
Q51.1	Female	1	2		11
Q51.2	Female	1	2		11
Q51.3	Female	1	2		11
Q51.4	Female	1	2		11
Q51.5	Female	1	2		11
Q51.6	Female	1	2		11
Q51.7	Female	1	2		11
Q51.8	Female	1	2		11
Q51.9	Female	1	2		11
Q52.0	Female	1	2		11
Q52.1	Female	1	2		11
Q52.2	Female	1	2		11
Q52.3	Female	1	2		11
Q52.4	Female	1	2		11
Q52.5	Female	1	2		11
Q52.6	Female	1	2		11
Q52.7	Female	1	2		11
Q52.8	Female	1	2		11
Q52.9	Female	1	2		11
Q53.0	Male	1	2		10

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death - Continued

ICD-10 code	Sex/plurality limitation	0-Conditional 1-Absolute <u>2-Not Applicable</u>			Edit code ¹
		Sex	Plurality		
Q53.1	Male	1	2		10
Q53.2	Male	1	2		10
Q53.9	Male	1	2		10
Q54.0	Male	1	2		10
Q54.1	Male	1	2		10
Q54.2	Male	1	2		10
Q54.3	Male	1	2		10
Q54.4	Male	1	2		10
Q54.8	Male	1	2		10
Q54.9	Male	1	2		10
Q55.0	Male	1	2		10
Q55.1	Male	1	2		10
Q55.2	Male	1	2		10
Q55.3	Male	1	2		10
Q55.4	Male	1	2		10
Q55.5	Male	1	2		10
Q55.6	Male	1	2		10
Q55.8	Male	1	2		10
Q55.9	Male	1	2		10
Q89.4	Plural	2	1		24
Q96.0	Female	1	2		11
Q96.1	Female	1	2		11
Q96.2	Female	1	2		11

Table M. Sex/Cause and Plurality/Cause Consistency Edits for ICD-10 Codes Valid for Underlying Cause of Fetal Death - Continued

ICD-10 code	Sex/plurality limitation	0-Conditional 1-Absolute <u>2-Not Applicable</u>			Edit code ¹
		Sex	Plurality		
Q96.3	Female	1	2		11
Q96.4	Female	1	2		11
Q96.8	Female	1	2		11
Q96.9	Female	1	2		11
Q97.0	Female	1	2		11
Q97.1	Female	1	2		11
Q97.2	Female	1	2		11
Q97.3	Female	1	2		11
Q97.8	Female	1	2		11
Q97.9	Female	1	2		11
Q98.0	Male	1	2		10
Q98.1	Male	1	2		10
Q98.2	Male	1	2		10
Q98.4	Male	1	2		10
Q98.5	Male	1	2		10
Q98.6	Male	1	2		10
Q98.7	Male	1	2		10
Q98.8	Male	1	2		10
Q98.9	Male	1	2		10

¹ Edit codes may be useful for programming the sex/plurality limitations as follows:

<u>Edit code</u>	<u>Limited to</u>
10	Male
11	Female
24	Plural